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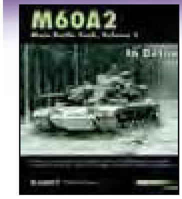
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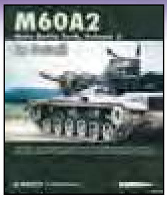
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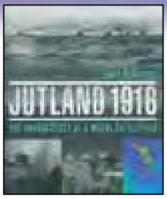
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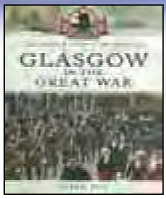
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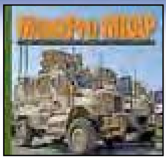
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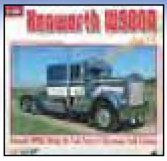
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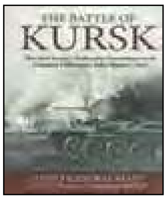
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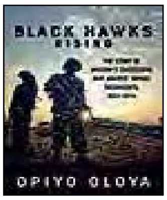
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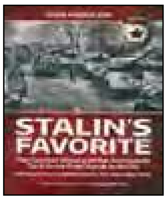
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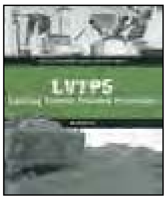
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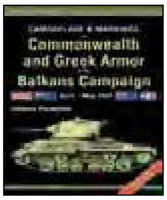
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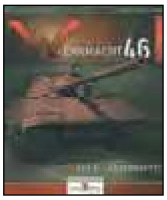
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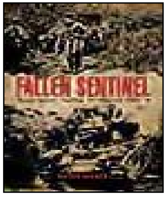
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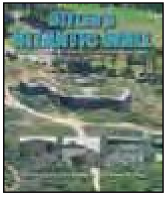
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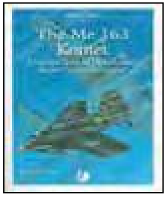
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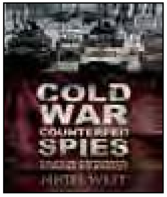
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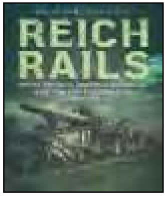
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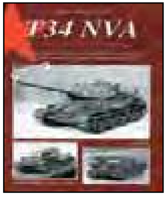
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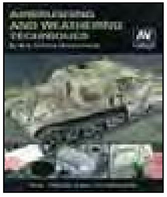
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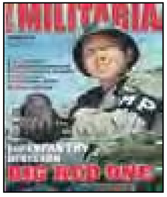
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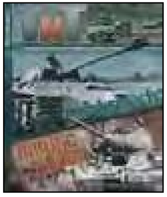
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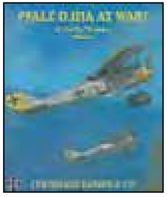
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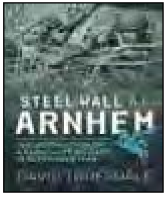
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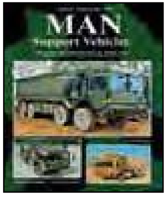
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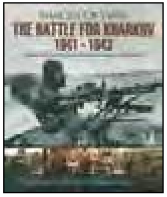
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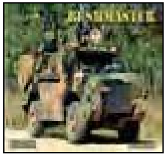
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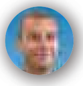

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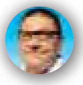

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Guideline Publications Subscription Agent for the USA.
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c/o For The Historian, 42 York Street,
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Distributed to the UK and International news trade by:
Intermedia www.inter-media.co.uk
via
MarketForce (UK) Ltd., 110 Southwark Street
London SE1 0SU www.marketforce.co.uk

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Trade Sales to Model Shops
Guideline Publications Ltd. *(Address as MMI Shop above)*

Printed by
Regal Litho Ltd., Unit 3, Enigma Building,
Bilton Road, Denbigh East, Bletchley, Buckinghamshire MK1 1HW
Tel: 01908 274433
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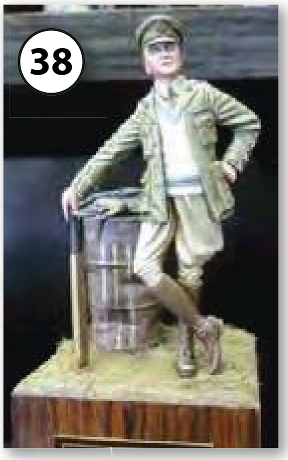
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Scale Model World Special Issue we are working on something very special

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ISSN 1364-419X

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FORUM

September and October are busy months for Europe's modellers with shows in the UK (Euro Militaire and Scale Scotland), the Netherlands (Scale Model Challenge), Belgium (the KMK Show), and the Czech Republic (E-Day). This month's MMI has show reports from the two UK shows, while my Facebook feed was full of my friends and contributors at the SMC show in Veldhoven. The contrast between the 'buzz' around the SMC show and the moans that accompanied Euro was very apparent. The latter's apparent demise as Europe's premier modelling show led to a lot of on-line soul searching over what makes for a successful major model show. The consensus was certainly that shows need to be 'by modellers for modellers'; they're not about making a profit for the organisers but about providing traders, often one-man outfits, a venue to sell their products and providing modellers an opportunity to get together and enjoy their shared love of the hobby. Modelling competitions also need to be judged, and more importantly, seen to be judged in a fair and transparent fashion. Guideline Publications are looking to emulate some of those European shows when they host again the London Plastic Modellers Show in London on 4 December. It will be work in progress, but we're working hard to make the show the premier plastic modelling event in the south of England. Watch this space.

This month we mark the one hundreth anniversary of the first use of the tank. In 2014 we marked the centenary of the outbreak of World War I with several builds of Takom's and Tamiya's Mk. IVs; this issue we present three builds of Takom's and Meng Model's Whippets. Abilio Piñeiro Grajera returns to present his White Russian Whippet, while we welcome Ramón Segarra and Kristof Pulinckx to the pages of MMI. We're back to World War II with Fabrizio Pincelli painting and weathering Tamiya's Hetzer and Michelangelo Silicia models an Italian campaign Sherman. Then we're bang up to date with Łukasz Orczyc-Musiałek who builds IBG Models' superb new Rosomak APC. Finally, we present a report on Euro Militaire and the Scale Scotland. Until next month, enjoy the magazine and happy modelling.

David

David Grummitt Editor

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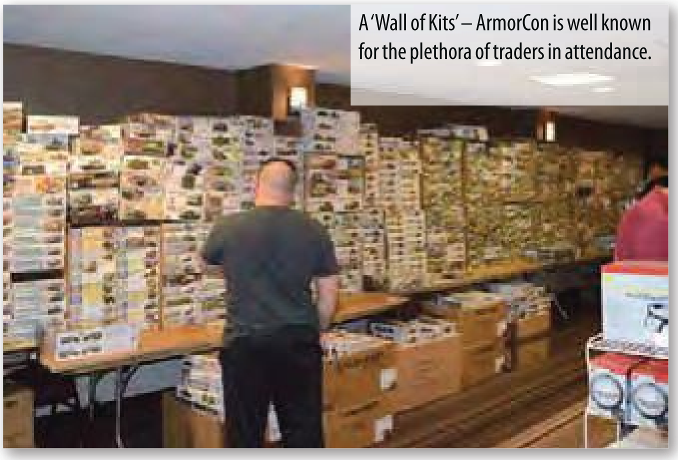
NEWS FROM AMPS

Chuck Aleshire reports from the US's ArmorCon 2016.



A 'Wall of Kits' – ArmorCon is well known for the plethora of traders in attendance.

Head Judge Mike Petty seen alongside some of the pieces being considered for the competition.

Originally called the AMPS East show, ArmorCon has become an annual fall season mainstay for armour fans in the New England area and beyond. The show is traditionally held in a terrific all-in-one location in the Crowne Plaza hotel, in Danbury Connecticut, where comfortable hotel rooms are just a short elevator ride from the show venue and functions. Typically held in late September, the show is put on by the NMMA, the Northeast Military Modelers Association headed by Matt Toms. The show has all of the items and events that we all love, including a vendor room packed with everything a modeller could ask for; the hottest new release kits, bargain priced 'mouldy-oldies', tools, finishing products and tools, reference books and magazines, and just all sorts of wallet grabbing goodies! This show usually costs me plenty in the vendor room, and this year was no exception.

ArmorCon also boasts a very solid raffle with many nice items waiting for the lucky ticket to be produced. Seminars put on by experts in their fields are held, AMPS judging system training is also done (conducted by International-level AMPS officers) , making this two day show a very busy two days. The show takes place on a Friday and Saturday, making the Crowne Plaza THE place for 'treadheads' to be for a late September weekend.

No AMPS show would be complete without the thing so central to our shows; the models on display and the judging of them. ArmorCon is a 100% AMPS-level judged show, where each model is judged by a team of four trained judges, headed by a specially trained Table Captain who's charged with ensuring the models are judged in accordance with approved AMPS standards and philosophy.

This year's show drew 227 attendees, and a total of 171 pieces judged. Most of the entries were of course armor, with a handful of figures and diorama / vignettes for good measure. Numbers for this show were down very slightly, likely reflecting a couple of nearby conflicting events and absolutely spectacular early fall weather. That said, it was a great turnout for the show. Wandering around in the model display room revealed a great many stunning works, in all competition categories and skill levels. I saw many pieces entered in Basic and Intermediate that were truly jaw-dropping. ArmorCon's chief judge, Georg (no "e") Eyerman stated a couple of times during the show-ending awards ceremony that he'd never seen an overall quality level of entries this high. I have been to only a few recent ArmorCon shows myself, but I'd surely have to agree with Georg.

Highlights of the awards ceremony;

Best in Show – German Field Kitchen by Chris Lloyd-Staples

People's Choice – A New Cat in North Africa by Chuck Aleshire

Show Theme – Mk IV Female w/ Fascine by Chris Green

America's Hero Award – M1114 HMMMWV by Jody Kelm

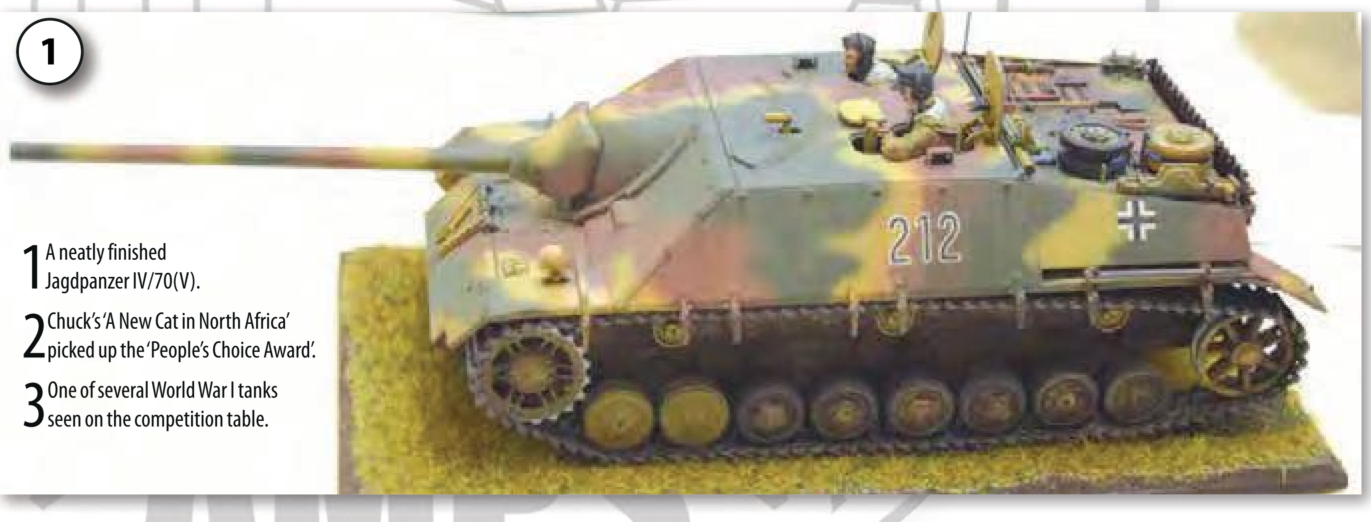
Best British Commonwealth – Mk IV Female w/ Fascine by Chris Green

Best German – A New Cat in North Africa by Chuck Aleshire

Best Russian / Soviet – GaZ Ambulance by Chris Lloyd-Staples

Best Small Army – Japanese Type 10 by Paul Bornn

Best US – Patriot Missile Launcher, Iraq 2003



1 A neatly finished Jagdpanzer IV/70(V).

2 Chuck's 'A New Cat in North Africa' picked up the 'People's Choice Award'.

3 One of several World War I tanks seen on the competition table.

by Chuck Aleshire

Best Diorama – Wooden tanks, 600 yards by Steve Andreano

Best Ordnance / Artillery – Patriot Missile Launcher, Iraq 2003 by Chuck Aleshire

Best Junior – Mk 1 Dragonfly by Conrad Chapman

Best USMC – M98 107mm Howitzer by Steve Andreano

Best Weathering – Geshutzwagen 21cm Morser by David Pross

The above is a sampling of the many special awards presented, apologies to any left out. One thing to note; this very same terrific ArmorCon hotel / show venue will be used for next April's 2017 AMPS International Show! Many of the same folks who so competently run ArmorCon, including our own AMPS 2nd Vice President, Mike Delvecchio (serving as our 2017 AMPS Int'l Show Chair), will be working hard to ensure a great show next Spring. Between the great NMMA folks and assistance from AMPS officers, this will be a terrific, well run and executed show. Preparations for next Spring's show are already well under way, and things are progressing smoothly and ahead of schedule!

Please make plans to attend the AMPS 2017 International Show. The location is great for domestic and foreign visitors alike, with good highway access, and from the airports just south in New York and New Jersey. The hotel is reasonably priced and is quite comfortable, and with the show venue under the same roof, it's a slam dunk good time. Please check out the AMPS website www.amps-armor.com for more information on the show, and be sure to check back often for updates! At ArmorCon 2016, there were a lot of happy, smiling faces, and a lot of buzz about the opportunity to return in the Spring. Also, the NMMA folks plan on maintaining their usual schedule for ArmorCon, hosting this show once again next September, so it looks like I'll be in Connecticut twice next year (and I won't be alone…)!

2

3

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TOY SOLDIER COLLECTOR
W.Britain
97
King & Country

TOY SOLDIER COLLECTOR

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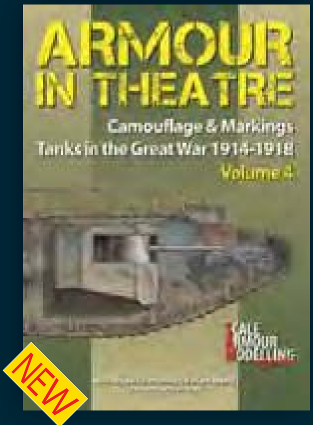
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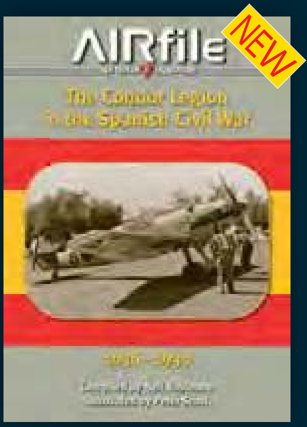
AIRfile
The Condor Legion in the Spanish Civil War
NEW

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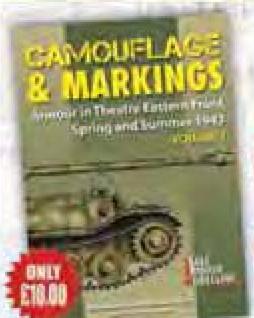

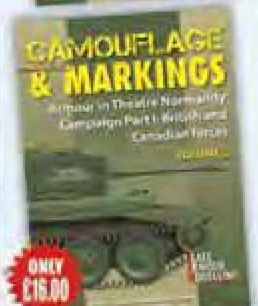

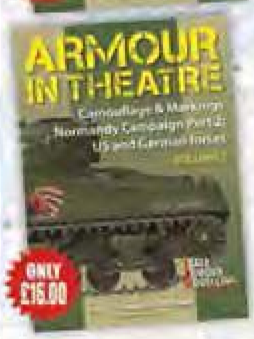

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NEWS AT THE FRONT

An in-depth look at some of the latest releases

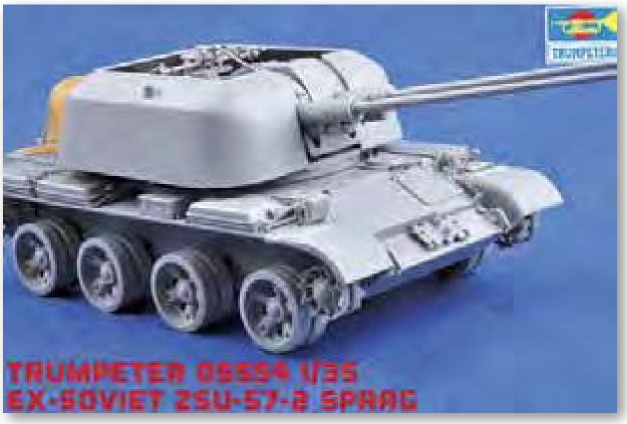
Trumpeter

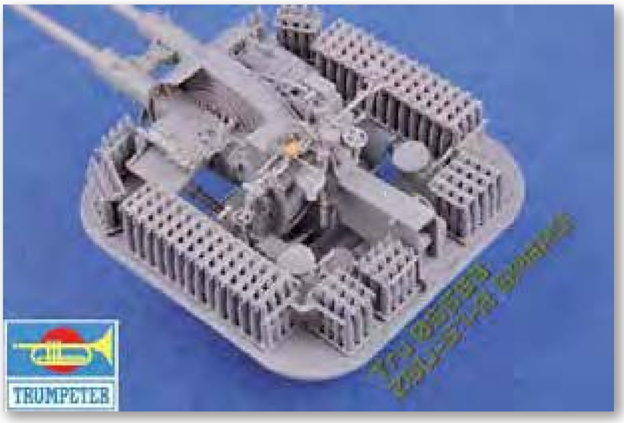
1/35

Jean-Jacques Labrot

The ZSU-57-2 officially entered service with the Soviet Army in 1955. It was seen for the first time by Western eyes during the military parade in Moscow on 7 November 1958. Mass production commenced in 1956. It was later replaced by a much more powerful tracked vehicle: the ZSU-23-4 Shilka. The ZSU-57/2 is still in service in the Middle East today. **Trumpete**r has produced a very beautiful kit of the **Russian ZSU57-2 SPAAG** *(ref. 05559)* in a very large box (48x28x7 cm). It was released just a few weeks after Takom's kit of the ZSU-57/2. The kit comprises mote than 540 parts, an upper and lower hull, a beautiful photoetched fret and two copper cables. The kit comes complete with a very well detailed interior.

Along with the upper and lower hull, and the turret, there are thirteen grey sprues and six brown sprues for the tracks; there are also five sprues for the and two sprues of ammunition. The turret on the ZSU-57-2 is open and you can see the full interior and ammunition load when the build is finished. There are 20 steps in the typically well-drawn instruction sheet. Individual track links are provided, but they are not the type you click together, you will have to glue them together. The two 57mm guns are nicely detailed, but you will have to bore out the muzzle brake with a 0.9mm drill. The construction of the guns, however, is not very easy, and requires time and patience. Decals are provided for four vehicles: two Russian vehicles, Syrian marking for the Yom Kippur War 1973 and markings for a ZSU used by the Finnish army. The latter two vehicles are presented in an attractive three-colour camouflage. This will build up into a good-looking model of a large and impressive vehicle which holds an important place in Cold War history. Recommended. Trumpeter kits are available from all good model shops and distributed in the UK by Pocketbond (www.pocketbond.co.uk).



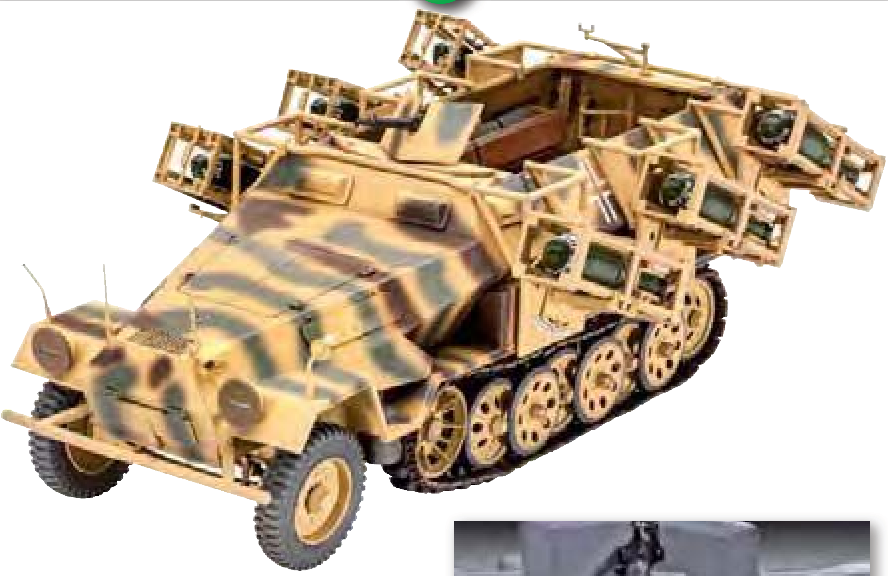


Takom

1/35

David Grummitt

Takom's T-14 Armata Russian Main Battle Tank *(ref. 2029)* has landed on these shows and quite a kit it is too! I won't dwell on the history of this new addition to the Russian arsenal as it was covered extensively in last month's excellent feature by James Kinnear, suffice to say that it's a beast in real life and in plastic. The upper hull measures some 25cm in length and Takom have done a superb job capturing both the appearance and details of the tank in a crisp, grey plastic. Typically for the Takom, the kit does not look challenging to build: an upper and lower slide-moulded hull, turret and side skirts, and ten sprues of grey plastic (seven of which are for the tracks and wheels). There is also a small clear sprue and a sheet of photoetched engine grills. The instructions are clearly and attractively drawn, while markings and painting are provided for four vehicles: one of those seen on the Moscow Victory Parade last year and four 'what if' vehicles. The eagle-eyed among you will have noticed that we're bringing you a very special build article of this enigmatic tank next month, so watch this space.



Revell have released a new early version **Sd.Kfz. 251**, based upon the **Zvezda Sd.Kfz. 251/1 Ausf. B** *(ref. 3752)* released back in 2006. The **Sd.Kfz. 251/1 Ausf. B 'Stuka zu Fuß'** *(ref. 03248)* is Revell's second version of this kit, the first being the 251/3 *(ref. 03605)*. The kit is a pure **reboxing** of the **Zvezda** version of the '**Stuka zu Fuß'** *(ref. 3625)* released a couple of years ago. The base kit is reasonably accurate on the exterior, although the lack of clear photos of the interior of the early SPWs means that Zvezda erroneously based their interior on the later Ausf. C. The Eduard detail set for this kit actually corrects some of the errors that have crept in. There are five sprues of grey plastic for the SPW and three for the rockets and their frames. The kit comes with a complete Maybach engine, but unless you plan to open up the bonnet this will remain hidden. The running gear and chassis are sound, although like the rest of the kit require some care in assembly, but the tracks are weak. There are plenty of aftermarket alternatives available and many modellers will want to look beyond the Zvezda/Revell parts which are not easy to assemble. Six rockets (four 32cm incendiary rockets with metal launcher frames and two 28cm HE rockets with wooden launcher frames) are provided. There is some debate whether the two types of rockets were actually carried simultaneously or not, but I'll leave that to the modeller to decide. The biggest challenge when constructing this kit (and indeed any Sd.Kfz. 250 or 251 kit) is mating the upper hull to the lower hull and carefully painted and weathered interior. I have not built the Zvezda/Revell kit myself, but reading the accounts online of those who have I would counsel caution when approaching this stage of the build. Test fit and test fit again would seem to be moral of the story. All of that aside, this is an attractive and affordable kit of an important early war vehicle. It can, of course, be built either as a 'Stuka zu Fuß' or simply as the 251/1 APC. Markings are provided for two Wehrmacht vehicles. A welcome release to be sure, but one not without its challenges. Revell kits are available from all good model shops, see www.revell.de/en for further details.

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NEWS AT THE FRONT

An in-depth look at some of the latest releases

AMMO Mig Jimenez

MMI

David Grummitt

(left) 7166

(below) 7167

(left and above left) 7167

The guys at **AMMO Mig Jimenez**, as many of you will know, have a long-lasting association with Takom, providing colour profiles and marking instructions for their kits. The release of **Takom's** new **King Tiger** kits, complete with interior, thus coincides with these new sets from the Spanish paint manufacturer. The sets contain, more or less, everything you need to paint the interior and exterior of the Takom kit. **King Tiger Vol 1: Interior Colors** *(ref. A.MIG.7165)* contains six 17ml bottles (complete as usual with ball bearing to assist in paint mixing). The colours are: Resedagrün (the head of the 88mm shells), Rotbraun (for the tank floor), Cremeweiss (for the interior), Aluminium (for engine parts and other details), Brass (for the shells), and Schwarzgrau (for the engine). **King Tiger Vol 2: Exterior Colors** *(ref. A.MIG.7166)* naturally enough covers the base and camouflage colours. Again, six bottles are provided: Olivegrün Opt. 2, Dunkelgelb Mid War, Schokobraun, Washable White Camo, Dark Tracks and New Wood. Of course, the sets can be used for any late-war German armour and if you are embarking on a new project in that vein then these are two very handy sets.

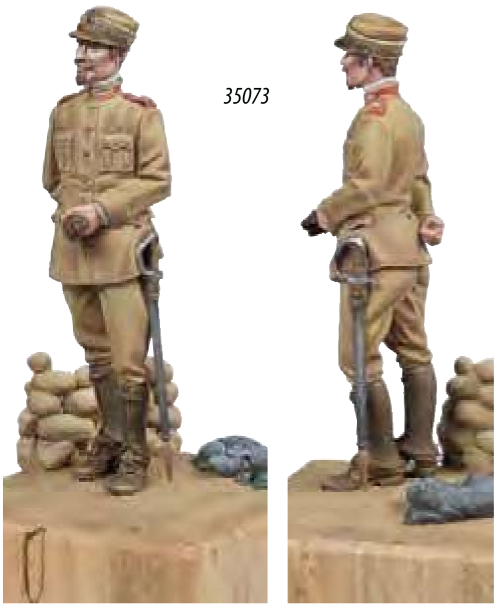
Again, with **Takom** in mind (this time their **AMX-13 kits**), we have **Argentinian Colors** *(ref. A.MIG.7167)*. This three-bottle set contains Sand Brown, Medium Light Green and Olive Drab. The colours aren't new, the Olive Drab is the US World War II variety (ref. A.MIG-081), while the Sand Brown is actually one of the camouflage colours used by the DAK in the Western Desert (ref. A.MIG-026). Nevertheless, a handy set to finish your AMX-13 in an unusual scheme. Our thanks to the guys at AMMO for the review samples (www.migjimenez.com).

The Bodi

1/35

David Grummitt

Hungarian firm **The Bodi** have been around for a while producing high-quality 1/35-scale resin figures, but we haven't had many opportunities to review their work in the pages of this magazine. Fortunately I recently had the chance to examine two of their new releases in their WWI Series. **Italian Officer** (WWI) *(ref. 35073)* is a flawlessly cast piece, beautifully sculpted by Oliver Kovacs. It comes a single casting comprised of legs, torso and arms with a separate head and very delicate sword scabbard. The face on this figure is especially characterful. The folds on the clothing are exquisite. From the same talented sculptor we also have **Italian Sapper (WWI)** *(ref. 35074)*. This comes as legs and torso, separate arms and head, and long pole with an integrally cast hand (some type of engineering equipment I presume). Perhaps the most notable aspect of this figure is the large metal plate he wears over his chest; no wonder he appears to be leaning back massaging his aching back! Two unusual and very attractive figures that are highly recommended. The Bodi figures are 'true' 1/35 scale, making them quite small compared to those of some manufacturers, especially plastic figures such as Masterbox. You can check out the whole range at www.thebodi.eu.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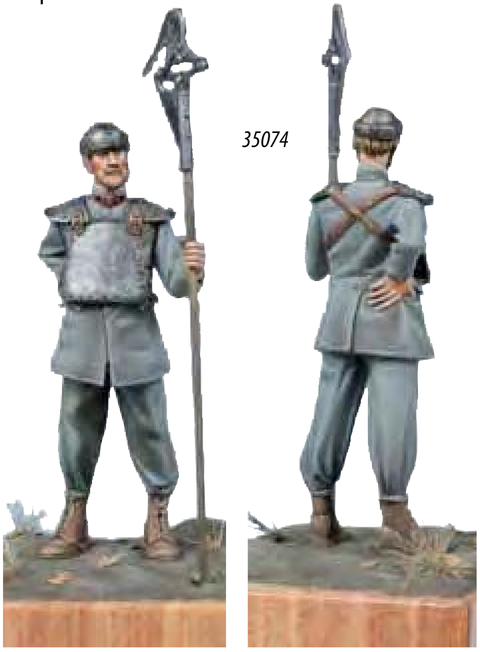
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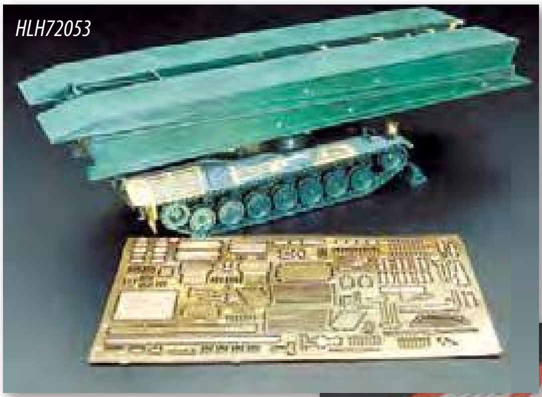
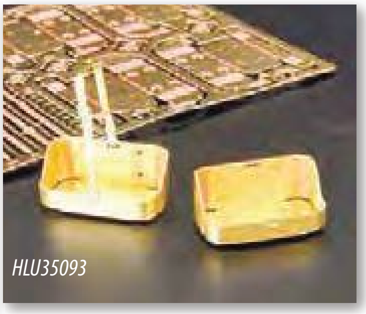
Hauler

1/48 1/35 1/144

David Grummitt





Czech firm **Hauler** are perhaps best known to readers of this magazine for their range of Quarterscale photoetched detail sets. In fact, there range is far more diverse as this latest batch of releases reveals. In **1/48 scale** we have **Window Wipers** *(ref. HLX48374)*, a useful generic set that can spice up any Quarterscale softskin vehicle. **In Small Scale** we have a nice detail set for the **Leopard I Bridgelayer 'Biber'** *(ref. HLH72053)* to improve the Revell kit (ref. 03135). On to 1/35 scale we have a nice set of **US Jerry Can Holders** *(ref. HLU35093)*. Best of all perhaps in this scale is an exquisite **Piano** *(ref. HLU35094)*, cast in resin and detailed with photoetch. This is a really nicely produced item and will sure to be popular among diorama modellers or those just wanting to add something a bit different to the back of a military vehicle!

We also have a couple of items from Hauler's subsidiary, **Bren Gun Model Accessories**. **Bundeswehr Vehicles** *(ref. BRL144124)* is designed to detail up Revell's boxing of three separate 1/144 vehicles, the **M47 Patton**, **MAN truck** and **Schutzenpanzer Lang HS.30** *(ref. 03351)*. Finally, we have **US Drop Tank Caps** *(ref. BRL48070)* in **Quarterscale**. As ever a high-quality mixture of resin and photoetch from this prolific manufacturer. Check out www.hauler.cz for the full range.

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■ ME-35041 1/35 HEMTT M983 Tractor Detail up set (for Trumpeter)
■ ME-35043 1/35 M901 Launching Station PAC-2 Detail up set (for Trumpeter)

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■ 1/35 Camouflage Net (Tan / Green /White)
■ 1/35 TYPE90 Detail up set
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TETRA Model Works
Tan
Green
White

NEWSATTHEFRONT

An in-depth look at some of the latest releases

Shamrock Miniatures

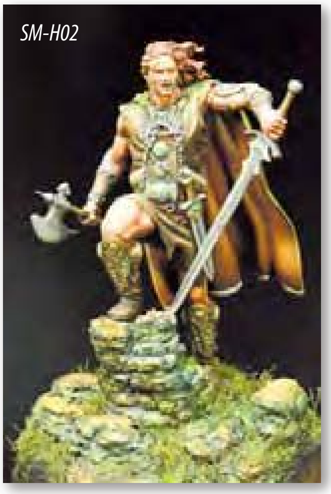
1/35 1/24

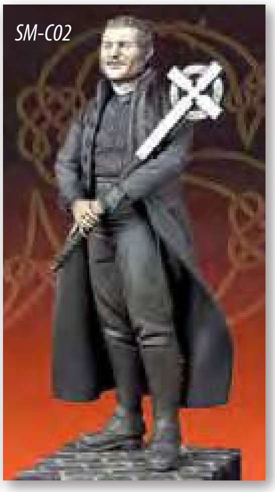
David Grummitt

Shamrock Miniatures are a new name to these pages and the figure we have a review is a real gem of a (slightly) unusual subject. **Irish Soldier** *(ref. SMH-04)* is a very nicely cast figure, sculpted by Gabor Szabo, and comes in several pieces, more than usual perhaps for a figure of this scale. The kit comprises a torso and upper arms, kneeling legs, two heads (one with a separate helmet, the other with a baseball cap), two grenade pouches, a Marconi radio and earpiece, respirator pouch, and Steyr AUG with integrally moulded lower arms. The casting and sculpting really are first-rate, but the complex parts breakdown will require you to take some extra care not to sacrifice some important part to the carpet monster! The additional head (and the separately cast helmet) is a really nice touch and the details and texture of the webbing are extremely impressive. Equally, the sculpting of the clothing folds is very well observed and the trouser pockets actually look as if they have stuff in them! This is a really impressive figure that will paint up nicely and even offers conversion opportunities for depicting other contemporary infantrymen. Very highly recommended, it's available from good figure retailers and www.shamrockminiatures.com, where you can see the rest of the range. Speaking of the rest of the range Daniel Batta, the man behind Shamrock Miniatures, has sent us images of two further releases in 75mm: **Brian Boru, High King of Ireland** *(ref. SM-H02)* depicts the famous Irish legend in suitably heroic pose, while **Priest Vallon** *(ref. SM-C02)* is a nicely observed civilian figure from the film 'Gangs of New York'.

SM-H04

SM-H04


SM-H02

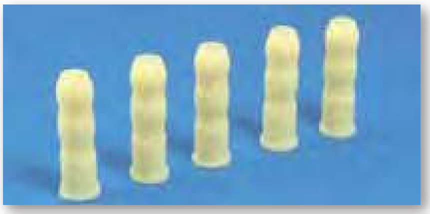

SM-C02

Matho Models

1/35

David Grummitt

This month we have a superb range of diorama accessories from Matthias at Matho Models. This small Belgium firm is fast establishing itself as one of the leading names in this field and their latest releases confirm this. **Plastic Road Bollards** *(ref. 34048)* and **Wooden Road Bollards** *(ref. 35049)* each contain five neatly cast resin pieces. **Garbage Bags** *(ref. 35052)* contains five resin black bags, perfect for a range of modern settings. **Plants & Weeds A** *(ref. 35035)* contains a photoetched fret of what appear to be ivy leaves. Again, a really nicely done addition to a myriad of projects. Finally we have **Cats** *(ref. 35047)*. This set contains five 3-D printed moggies: two standing, two sitting (one washing his/her paws) and one reclining. These are by some distance the best scale cats I have seen, infinitely better than some of the recent plastic ones and a great addition to a diorama or vignette. Our thanks to Matho Models for the review samples, see www.mathomodels.com for further details.



(left) 34048
(below) 35047
(below centre) 35052
(right) 35035

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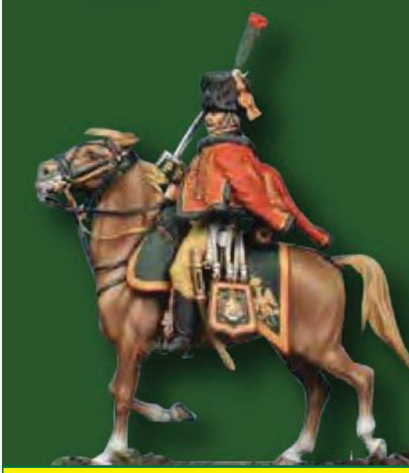
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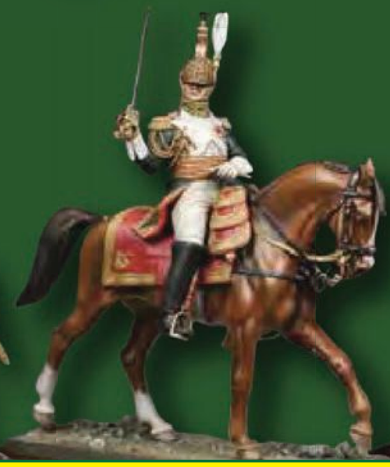
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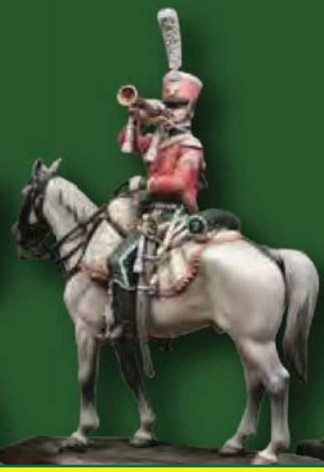
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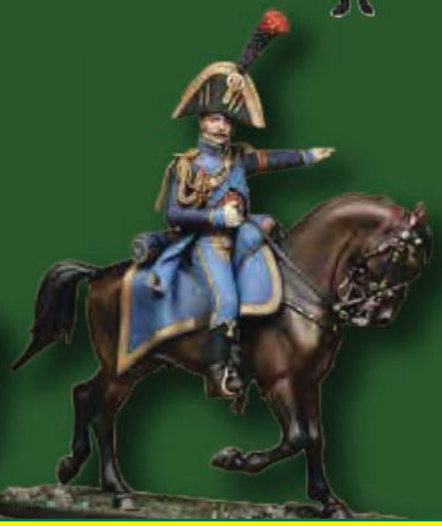
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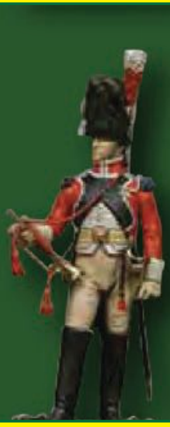
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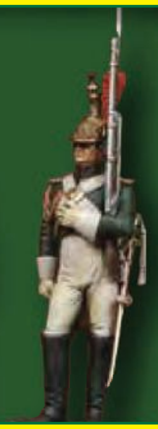
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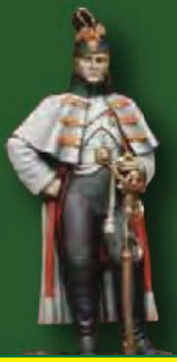
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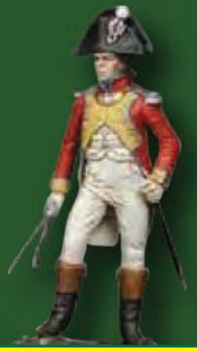
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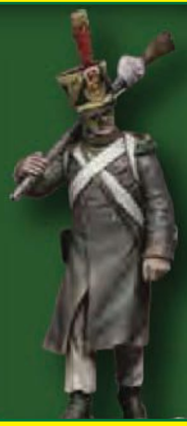
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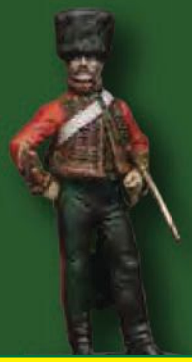
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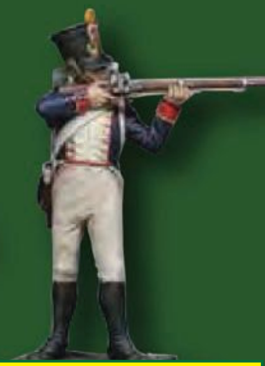
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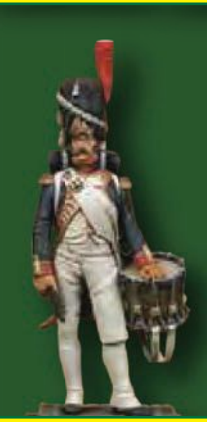
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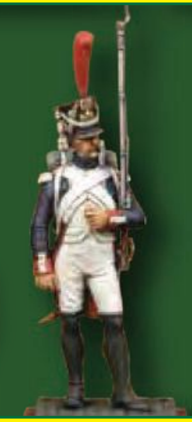
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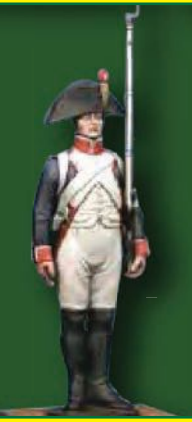
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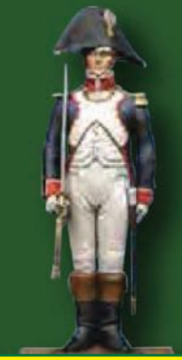
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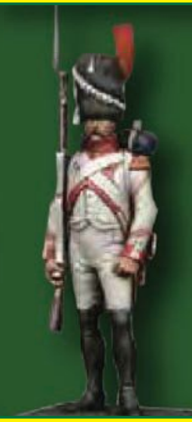
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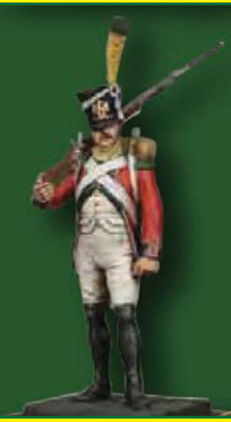
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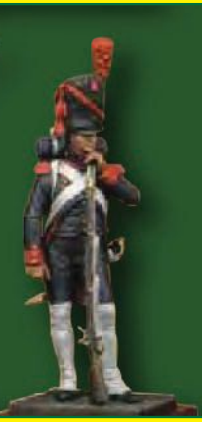
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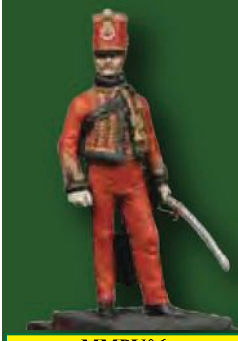
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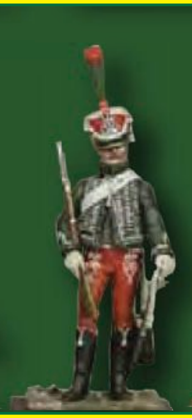
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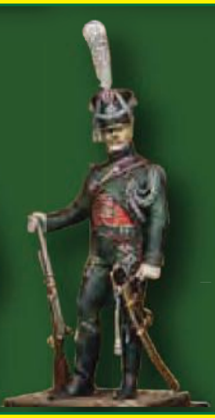
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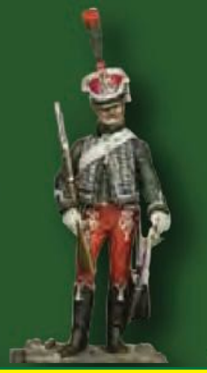
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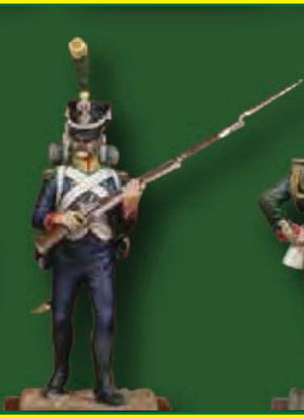
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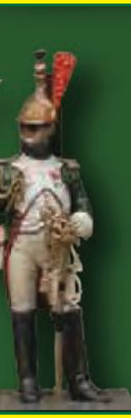
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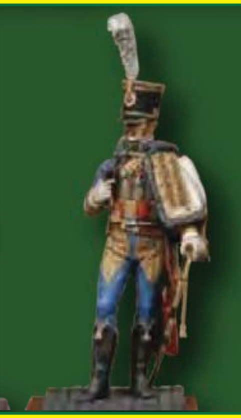
MMPV12

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THE QUARTERMASTERS STORE

A round up of the latest releases

Airborne Miniatures

USMC Afghanistan (incl. 2 figures)

Scale:	**1/35**
Ref:	**3528**
SRP:	**$30.00**

See: www.airborne-miniatures.blogspot.co.uk

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Scale:	**1/16**
Ref:	**075**
SRP:	**$39.00**

See: www.airborne-miniatures.blogspot.co.uk

AFV Club

M60A3 Patton MBT

Scale:	**1/35**
Ref:	**AF35249**
SRP:	**£54.99**

Distributed in the UK by Pocketbond (www.pocketbond.co.uk)

Alsacast

French Railway Station Building

Scale:	**1/87**
Ref:	**8710.164**
SRP:	**€29.90**

See: www.alsacast.nl

Alsacast

European Building Facade 'G'

Scale:	**1/87**
Ref:	**8710.167**
SRP:	**€9.75**

See: www.alsacast.nl

Alsacast

German Water Crane

Scale:	**1/87**
Ref:	**8710.170**
SRP:	**€7.85**

See: www.alsacast.nl

Alsacast

M5A1 Stuart Light Tank

Scale:	**1/87**
Ref:	**8775.120**
SRP:	**€11.50**

See: www.alsacast.nl

Alsacast

Panther Ausf.A

Scale:	**1/87**
Ref:	**8775.135**
SRP:	**€11.50**

See: www.alsacast.nl

Alsacast

Somua S35

Scale:	**1/87**
Ref:	**8775.142**
SRP:	**€11.00**

See: www.alsacast.nl

Alsacast

Facade 'Kaufhaus' (German department store)

Scale:	**1/87**
Ref:	**9719.168**
SRP:	**€16.50**

See: www.alsacast.nl

Amusing Hobby

British Heavy Tank FV214 Conqueror Mk.I

Scale:	**1/35**
Ref:	**35A006**
SRP:	**£TBA**

See: www.1999.co.jp

Amusing Hobby

Tank Destroyer FV215B (183)

Scale:	**1/35**
Ref:	**35A008**
SRP:	**£TBA**

See: www.1999.co.jp

Amusing Hobby

28cm Sturmmorser 38D

Scale:	**1/35**
Ref:	**35A009**
SRP:	**£TBA**

See: www.1999.co.jp

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Rheintochter R-1

Scale:	**1/35**
Ref:	**35A010**
SRP:	**£TBA**

See: www.1999.co.jp

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Jagdpanther II
German Tank Destroyer

Scale: 1/35
Ref: 35A011
SRP: £TBA

See: www.1999.co.jp

BLACK LABEL
T54E1
1:35

Dragon

T54E1

Scale: 1/35
Ref: 3560
SRP: £TBA

See: www.dragon-models.com

SHERMAN
031
3570

Dragon

Egyptian Sherman

Scale: 1/35
Ref: 3570
SRP: £TBA

See: www.dragon-models.com

Dragon

Bergepanzer 38(t) Hetzer
mit 2cm FlaK 38 (2 in 1 kit)

Scale: 1/35
Ref: 6399
SRP: £59.99

See: www.dragon-models.com

Dragon

15cm s.IG.33/2(sf) auf 38(t) Hetzer

Scale: 1/35
Ref: 6489
SRP: £TBA

See: www.dragon-models.com

Dragon

Battles of Smolensk & Roslavl 1941

Scale: 1/35
Ref: 6791
SRP: £TBA

See: www.dragon-models.com

Dragon

Berge-Panther mit Aufgesetztem
Pz.Kpfw.IV Turm als Befehlspanzer

Scale: 1/35
Ref: 6835
SRP: £59.99

See: www.dragon-models.com

JAGDPANZER IV A-0

Dragon

Sd.Kfz.162 Jagdpanzer IV A-0

Scale: 1/35
Ref: 6843
SRP: £TBA

See: www.dragon-models.com

"BERGEPANZER
TIGER I"

Dragon

Bergepanzer Tiger I w/Zimmerit

Scale: 1/35
Ref: 6850
SRP: £TBA

See: www.dragon-models.com

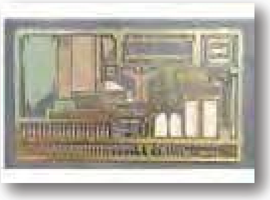
SOVIET SU-85M TANK DESTROYER

Dragon

Soviet SU-85M Tank Destroyer
w/Soviet Infantry Equipment

Scale: 1/35
Ref: 9152
SRP: £TBA

See:www.dragon-models.com

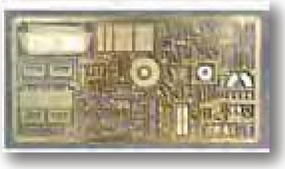


Eduard

PE Detailing Set for
ZSU-23-4 Shilka

Scale: 1/35
Ref: 36 341
SRP: £TBA

See: www.eduard.com



Eduard

PE Detailing Set for AMX-13

Scale: 1/35
Ref: 36 346
SRP: £TBA

See: www.eduard.com

FC Modeltips

Decals for LMV Lince en España

Scale: 1/35
Ref: 35214
SRP: £TBA

See: www.fcmodeltips.com

IBG Models

Type 89 Japanese Medium
Tank Kou (gasoline, late)

Scale: 1/72
Ref: 72040
SRP: £TBA

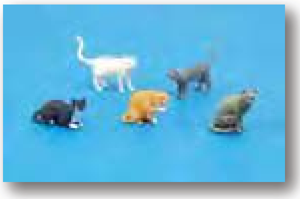
See: www.ibg.com.pl

Matho Models

Manhole Covers

Scale: 1/35
Ref: 35031
SRP: €7.95

See: www.mathomodels.com



Matho Models

Cats

Scale: 1/35
Ref: 35047
SRP: €12.95

See: www.mathomodels.com

THE QUARTERMASTERS STORE

A round up of the latest releases

Matho Models

Fruit & Vegetables

Scale: 1/35
Ref: 35051
SRP: €8.95

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Matho Models

Garbage Bags

Scale: 1/35
Ref: 35052
SRP: €5.95

See: www.mathomodels.com

U.S. SOLDIERS AT REST
1:35

MiniArt

U.S. Soldiers at Rest

Scale: 1/35
Ref: 35200
SRP: £TBA

See: www.miniart-models.com

VILLAGE ACCESSORIES
1:35

MiniArt

Village Accessories

Scale: 1/35
Ref: 35539
SRP: £8.75

See: www.miniart-models.com

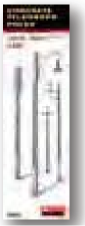
RAILWAY TRACK
EUROPEAN GAUGE

MiniArt

Railway Track

Scale: 1/35
Ref: 35561
SRP: £TBA

See: www.miniart-models.com

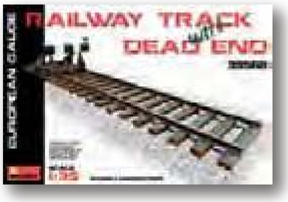


MiniArt

Concrete Telegraph Poles

Scale: 1/35
Ref: 35563
SRP: £TBA

See: www.miniart-models.com


RAILWAY TRACK with DEAD END
EUROPEAN GAUGE

MiniArt

Railway Track with Dead End

Scale: 1/35
Ref: 35568
SRP: £TBA

See: www.miniart-models.com

EUROPEAN TRAMCAR

MiniArt

European Tramcar (Straßenbahn Triebwagen 641) w/Crew, Passengers, Street Accessories & Base

Scale: 1/35
Ref: 38009
SRP: £TBA

See: www.miniart-models.com

Miniman Factory

M911 8x8 Heavy Equipment Tractor

Scale: 1/35
Ref: 41
SRP: €136.00

See: www.minimanfactory.com

Miniman Factory

M747 60-ton Lowbed Trailer

Scale: 1/35
Ref: 42
SRP: €98.00

See: www.minimanfactory.com

Revell
LEVEL 5
1:144
HMCS SNOWBERRY

Revell

Flower Class Corvette HMCS Snowberry

Scale: 1/144
Ref: 05132
SRP: £TBA

See: www.revell.de

Roden

Opel Blitz Tankwagen

Scale: 1/72
Ref: 730
SRP: £TBA

See: www.roden.eu

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British Armoured Car

Roden

British Armoured Car – Pattern 1920 (modified w/sand tyres)

Scale: 1/72
Ref: 734
SRP: £TBA

See: www.roden.eu Distributed in the UK by Pocketbond (www.pocketbond.co.uk)

Roden

Vauxhall D-Type

Scale: 1/72
Ref: 735
SRP: £TBA

See: www.roden.eu
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Roden

FWD Model B 3-ton US Army Ammunition Truck

Scale: 1/72
Ref: 736
SRP: £TBA

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German Panzergrenadier

Soga Miniatures

German Panzergrenadier

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Ref: 3564
SRP: £TBA

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T-55A (3 in 1 kit)
Scale: 1/35
Ref: 2056
SRP: £44.99

See: www.takom-world.com
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(www.pocketbond.co.uk)

TAKOM
T-55 AM2B
Scale: 1/35
Ref: 2057
SRP: £44.99

See: www.takom-world.com
Distributed in the UK by Pocketbond
(www.pocketbond.co.uk)

TAKOM
King Tiger Sd.Kfz. 182
Henschel Turret Full Interior
Scale: 1/35
Ref: 2073
SRP: £55.99

See: www.takom-world.com
Distributed in the UK by Pocketbond
(www.pocketbond.co.uk)

TAKOM
King Tiger Sd.Kfz. 182
Porsche Turret Full Interior
Scale: 1/35
Ref: 2074
SRP: £55.99

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Distributed in the UK by Pocketbond
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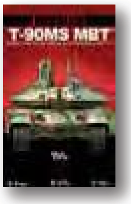
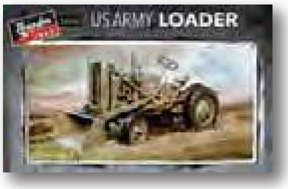


Tiger Model
Russian T-90MS MBT
Scale: 1/35
Ref: 4612
SRP: £TBA

See: www.tiger-model.com

Thunder Model
US Army Tractor Case Vai
Scale: 1/35
Ref: 35001
SRP: £TBA

See: www.thundermodel.com



Thunder Model
US Army Loader
Scale: 1/35
Ref: 35002
SRP: £TBA

See: www.thundermodel.com

HETZER LATE

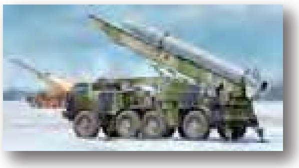
Thunder Model
Bergepanzer 38 Hetzer (late)
Scale: 1/35
Ref: 35101
SRP: £TBA

See: www.thundermodel.com

Soviet Komintern Artillery Tractor

Trumpeter
Soviet Komintern Artillery Tractor
Scale: 1/72
Ref: 7120
SRP: £9.99

See: www.trumpeter-china
Distributed in the UK by Pocketbond
(www.pocketbond.co.uk)



Trumpeter
Russian 9P113 TEL w/9M21 Rocket of 9K52 Luna-M Short-range Artillery Rocket System (FROG-7)
Scale: 1/35
Ref: 01025
SRP: £89.99

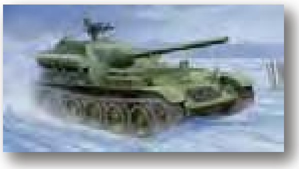
See: www.trumpeter-china
Distributed in the UK by Pocketbond
(www.pocketbond.co.uk)

Trumpeter
Russian ChTZ S-65 Tractor with Cab
Scale: 1/72
Ref: 7111
SRP: £10.99

See: www.trumpeter-china
Distributed in the UK by Pocketbond
(www.pocketbond.co.uk)

Trumpeter
Russian ChTZ S-65 Tractor
Scale: 1/72
Ref: 7112
SRP: £10.99

See: www.trumpeter-china
Distributed in the UK by Pocketbond
(www.pocketbond.co.uk)



Trumpeter
Soviet SU-101 SPA
Scale: 1/35
Ref: 09505
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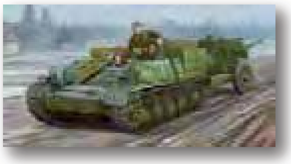

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ROSOMAK-POLISH WARRIO

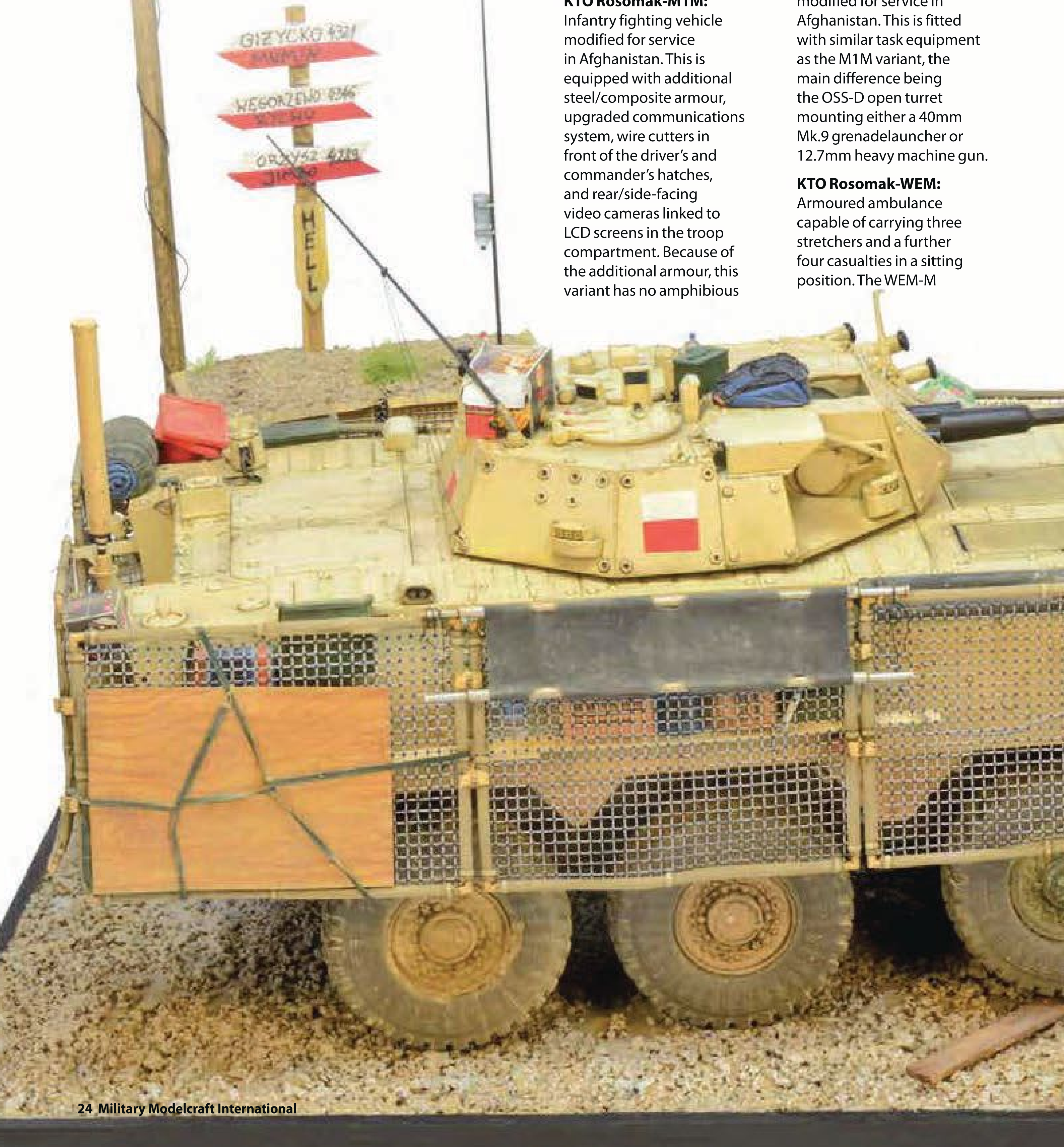
Produced by the Polish company WZM S.A., the KTO Rosomak is an 8x8 multi-role military vehicle manufactured as a licensed variant of the Finnish Patria AMV. The name *'Rosomak'* (translated as 'Wolverine') was chosen following a contest organised by the Polish magazine *'Nowa Technika Wojskowa'.* The vehicle is due to replace the obsolete OT-64 SKOT APC, and partially the BWP-1 IFV (both currently in service with Polish Land Forces). To date, there are several versions of the vehicle:

KTO Rosomak: Infantry fighting vehicle with an Oto Melara Hitfist-30P turret, mounting a 30mm ATK Mk.4 chain gun, co-axial 7.62mm NATO machine gun, and six 81mm smoke grenade launchers.

KTO Rosomak-M1M: Infantry fighting vehicle modified for service in Afghanistan. This is equipped with additional steel/composite armour, upgraded communications system, wire cutters in front of the driver's and commander's hatches, and rear/side-facing video cameras linked to LCD screens in the troop compartment. Because of the additional armour, this variant has no amphibious capability. More recent upgrades to this variant have been the new 'sand' camouflage scheme, and the fitting of RPG-protection mesh screens to the hull.

KTO Rosomak-M3: Armoured personnel carrier modified for service in Afghanistan. This is fitted with similar task equipment as the M1M variant, the main difference being the OSS-D open turret mounting either a 40mm Mk.9 grenadelauncher or 12.7mm heavy machine gun.

KTO Rosomak-WEM: Armoured ambulance capable of carrying three stretchers and a further four casualties in a sitting position. The WEM-M



Łukasz Orczyc-Musiałek tackles the new **IBG Models'** kit.

Afghanistan variant is also equipped with additional armour and RPG-protection screens.

KTO Rosomak-S: Armoured personnel carrier for two anti-tank teams, and armed with the Spike A/T guided missile.

KTO Rosomak-WD: Command vehicle for battalion commander.

KTO Rosomak-Łowcza: Air defence command vehicle equipped with the Łowcza system (similar to the ZWD-10R Łowcza-3.

Combat History

European Union Mission in Chad (2007-08)

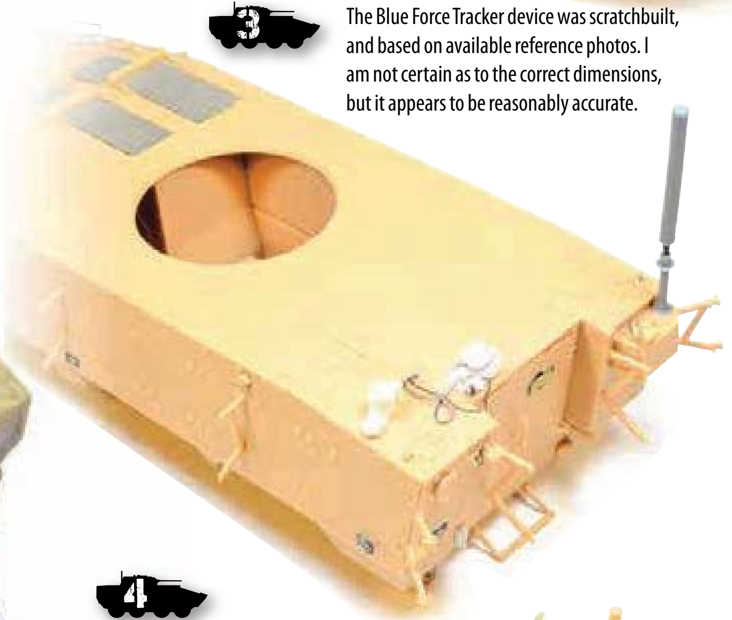
Contributing to the European Union Force in Chad and the Central African Republic, Poland provided a 400-strong force operating under the UN Security Council mandate to protect civilians, facilitate the delivery of humanitarian aid, and to ensure the safety of UN personnel.

War in Afghanistan (2001-14).

As part of ISAF, the Polish Land Forces contingent operated over a hundred Rosomak vehicles, including five armoured ambulances.

1 The main hull assembly complete, with various details added.

2 Details were added to the winch, and a metal towing cable fitted (compliments of Eureka XXL).



3 The Blue Force Tracker device was scratchbuilt, and based on available reference photos. I am not certain as to the correct dimensions, but it appears to be reasonably accurate.

4 The turret assembly complete, with a scratch-built wire cutter and other items added.

The Model

Not surprisingly, **IBG Models'** announcement that a 1/35-scale kit of the Rosomak was on its way prompted great excitement among modern armour enthusiasts. However, it took several months for the first version to appear. Labelled as **'KTO Rosomak Polish APC – The Green Devil',** this was to be closely followed by two further variants. So with the kit on my workbench, my immediate thought was how to create a model that would be both realistic and eye-catching. Feeling that a simple sand-colour scheme would be quite boring, I decided to treat it to some of the currently popular 'colour modulation' techniques, together with judicious weathering for a more visually interesting appearance. Also, by adding various items of stowage, I would be able to introduce further colour to break up the monotone finish. Once complete, the model would be mounted on a scenic base (to place the vehicle in context), and accompanied by a suitable crew figure. Before embarking on the project, I gathered together certain items that would be used to supplement/ improve the base kit:

KTO Rosomak Road Wheels
PanzerArt *RE35-401*

'PE/Resin Upgrade Set for Rosomak'
Mk.FL *(see their Facebook page)*

'Antennas/Mounts'
RB Model *35A13/35A02*

'US Army Crew Duke IED Antennas'
ET Model *ER35-009*

'PET Bottles'
PlusModel *446*

Drink/Water Bottles
Meng Model *SPS002/SPS010*

Stay Back Signs for NATO/ ISAF Arkebuza *AR35015*

MRE Boxes
Arkebuza *ARK35017*

Barbed Wire Razor I
Eduard *35 639*

Modern Military Equipment Set
J's Work *PPA4001*

Modern City Set – Checkpoint
J's Work *PPA4002*

Soldier in Camp – Afghanistan 2011
Toro Model *35F46*

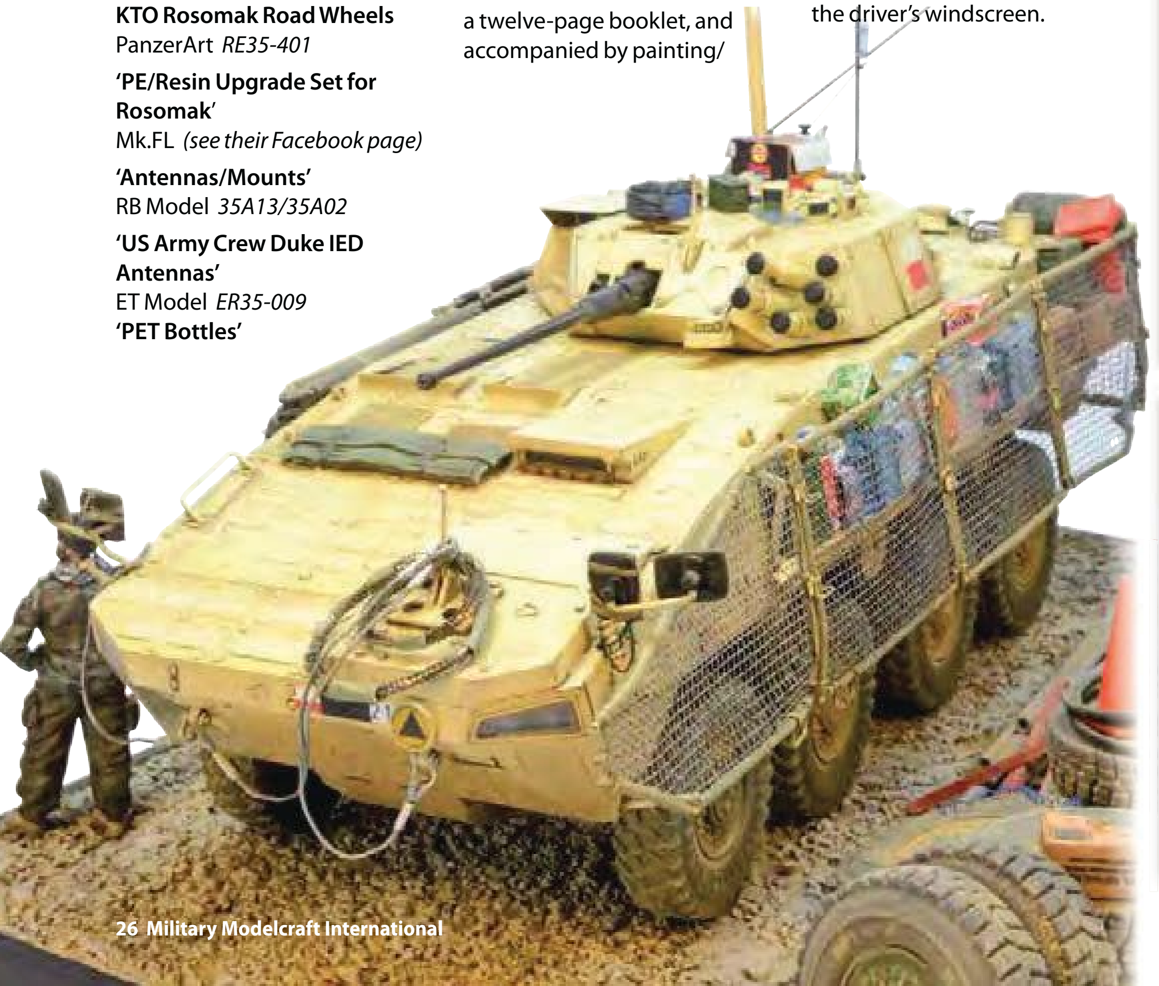
plus various items from Eureka XXL (towing cable, backpacks, tents & tarps)

Back to the IBG kit … the first point to mention is that the term 'Green Devil' was not a name used by the Polish crews, but a nickname coined by the Taliban in response to the Rosomak's speed and firepower.

The kit itself comprises 450 injection-moulded components (including separate tyres, and clear parts for lights and periscope lenses), two photo-etched frets (for RPG screens, and other details), and a small decal sheet. Assembly instructions are by way of a series of CAD illustrations in a twelve-page booklet, and accompanied by painting/ marking schemes for three examples. For those who wish to have hatches and doors open, a reasonably detailed interior is provided for the driver's station, crew compartment and engine bay.

Assembly

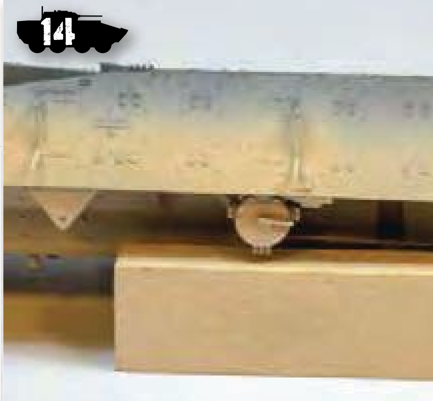
Construction began with the main hull, a relatively straightforward operation with no major issues. Even at this early stage, I added various details based on available reference images. The first was the arrangement of power cables leading to the wing mirrors (made from lengths of copper wire). An interesting point (something to be dealt with later), having four mirrors often causes problems for the driver, due to extreme glare from the sun's reflection. It is common practice for two (or sometimes three) to be covered with cardboard and tape to solve the problem).The long grab-handles to the rear of the mirrors were made from soldering wire, and attached to mounting plates with super glue. Having masked off the headlight lenses, I added missing bolt-heads to the front-mounted wire cutter, and to the frame around the driver's windscreen.



The upper hull and turret complete.

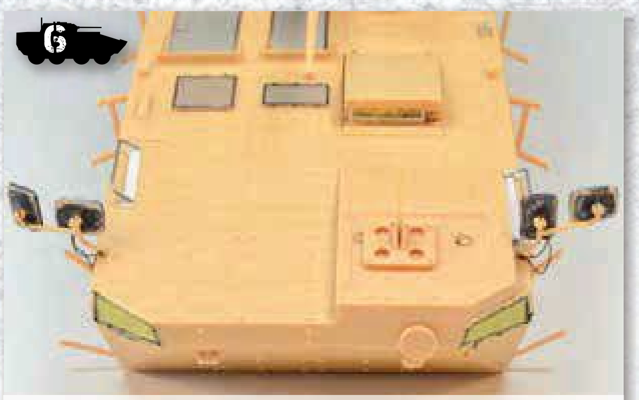
The Hungarian company RP Toolz produce various devices, ideally suited to photoetch components.

With all elements ready, it was time to make a start on the painting. The white item (visible on the edge of the roof, ab the pile of wheels) is a scratchbuilt KDN-1 camera.



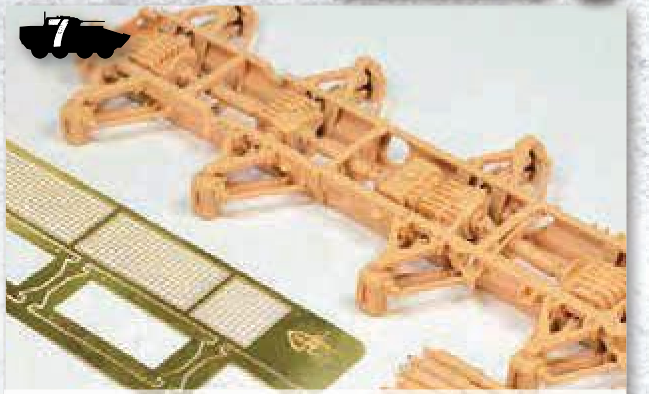
HTK-179 (1945 Dunkelgelb Flash) was applied to the mid-s

6



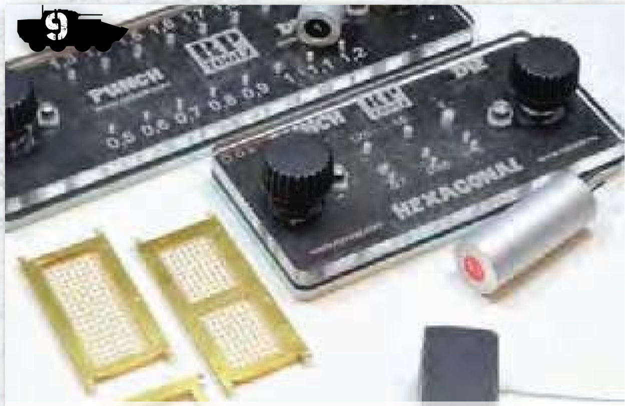
Power cables were added to the wing mirrors, as these are electrically operated. Note also the long grab handles to the rear of the mirrors, and the headlight lenses that have been masked in preparation for later painting.

7



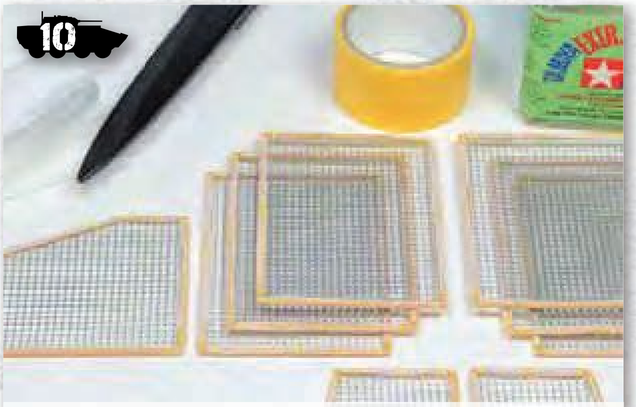
The mesh under-chassis screens were from Mk.FL . . . beautifully produced, but sadly unseen on the completed model (unless you decide to turn it upside down!)

9



These include a bending tool, and a punch-and-die set for replicating bolt-heads and rivet detail.

10



The RPG protection screens received further details to improve their appearance.

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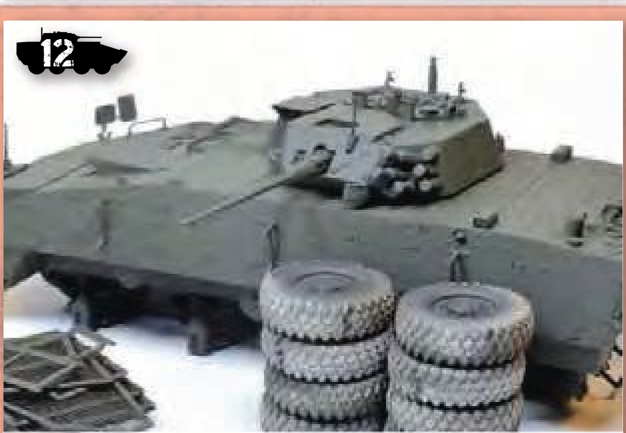
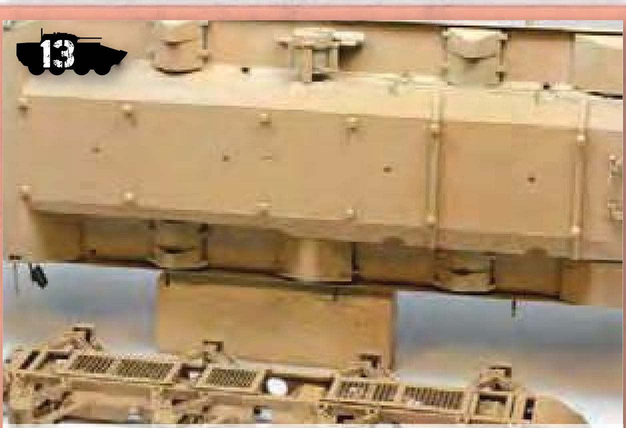
12

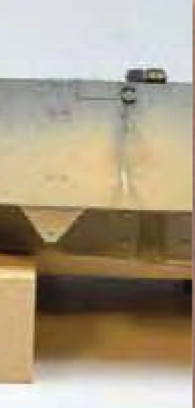


An initial coat of green replicated the vehicle's factory-applied base colour.

13

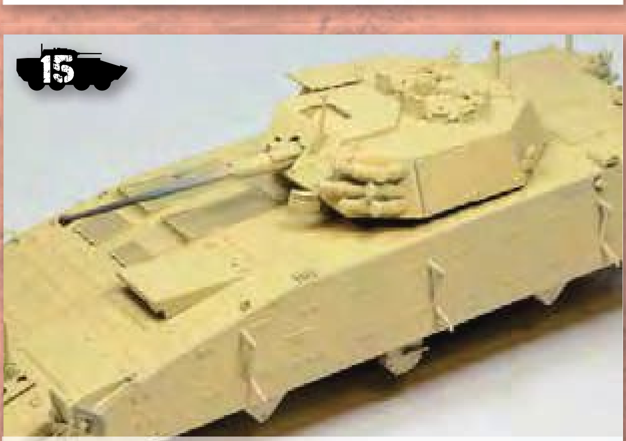


The lower portion of the model received a coat of Hataka's HTK-A178 (1945 Dunkelgelb Base).



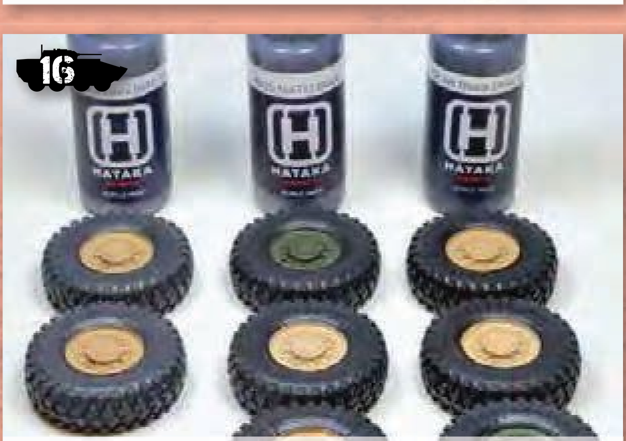
section.

15



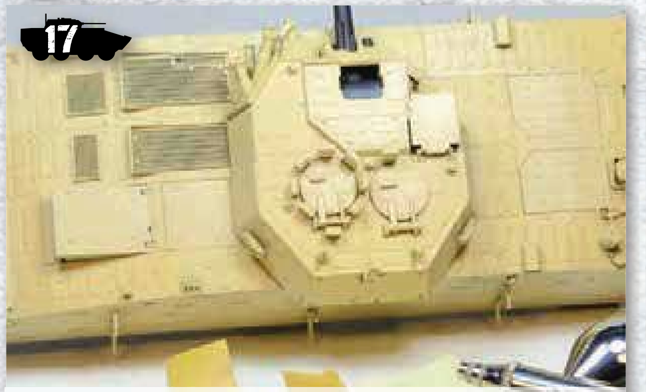
The top-most area was given a coat of HTK-208 (Desert Beige).

16



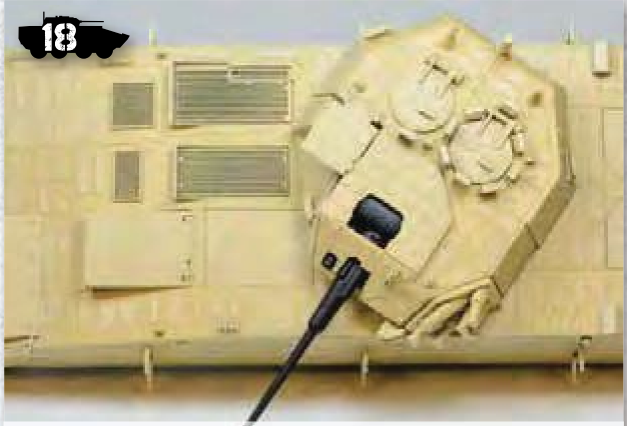
In addition to the vehicle's sand colour, some of the wheels were painted green, and various shades of grey used for the tyres.

17



I highlighted appropriate sections of the hull and turret with a mix of the base colour and HTK-A101 (Traffic White). Paper masks were used to create hard edges where required.

18

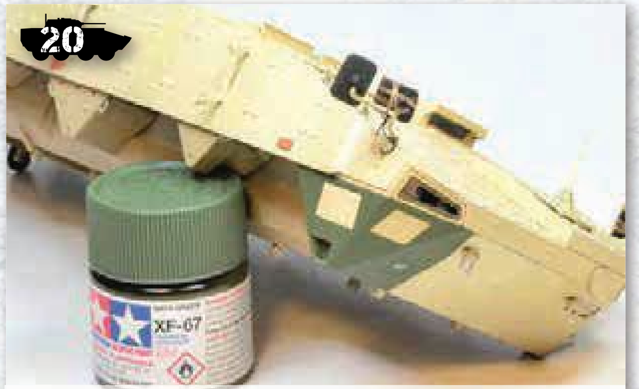


Further highlights were added, this time using a fine-pointed brush.

19

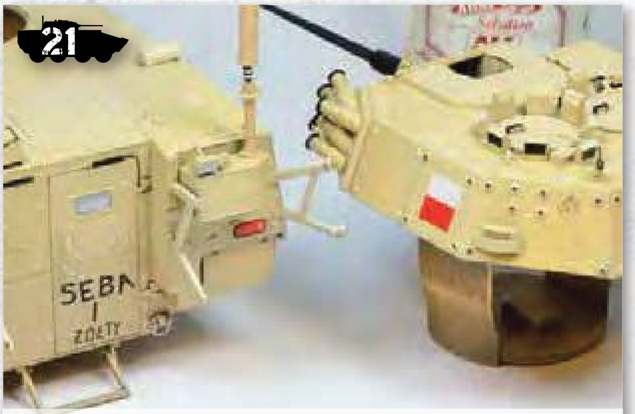
Specific details were brus

20



One of the front panels was painted green (based on reference photos). Note also the tape around two of the wing mirrors. Evidently, it is common practice to tape cardboard over some of the mirrors to minimise glare from the intense light.

21

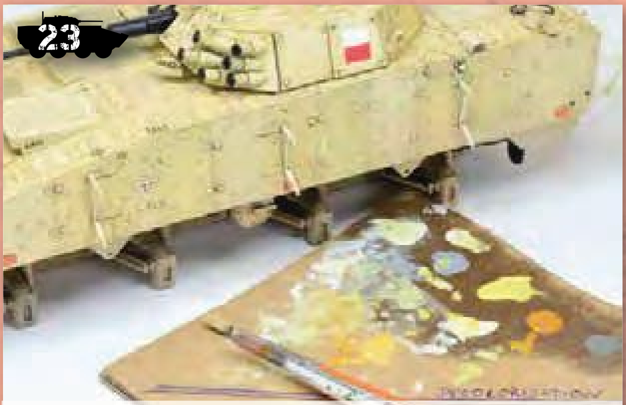


Supplementing the kit-supplied decals, I added further markings to personalise the model.

22

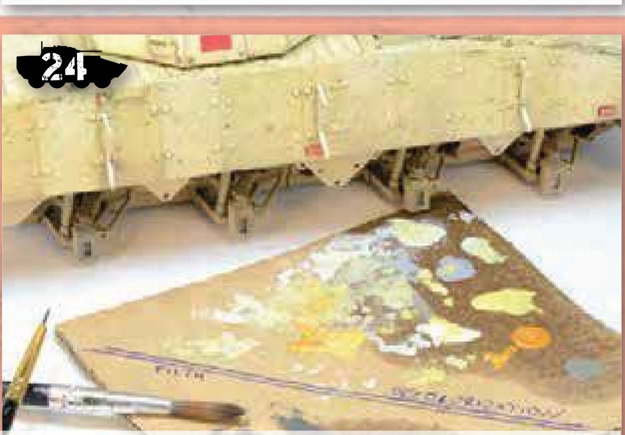
Following a coat of gloss
choice being AK Interacti

23



I now applied various colours from Wilder's oil paint range to create a faded appearance to the paintwork.

24

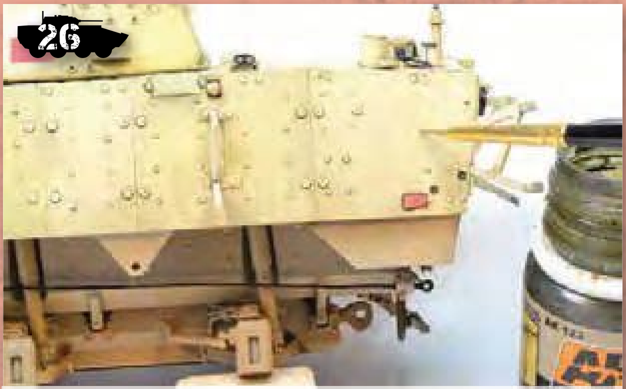


Darker shades were added to give the impression of accumulated dirt in appropriate areas.

25

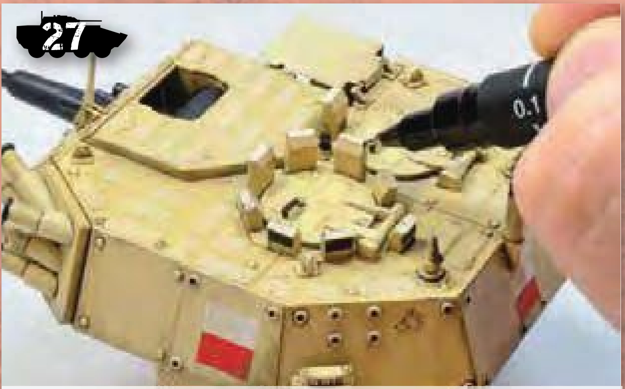
A couple of coats of matt

26



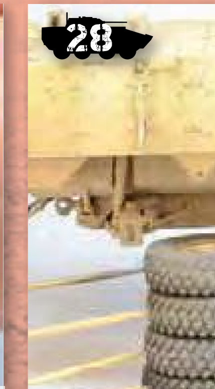
Focusing on vertical and sloping panels, I added subtle streaks using AK 123 (OIF & OEF Streaking Effects). Unfortunately, much of this work would be hidden by the stowage behind the RPG screens.

27



The perfect tool for creating chipped paintwork effects – a 0.1mm fineliner pen, which offers far better control than a brush.

28



Tamiya XF-57 (Buff) was
give the impression of su

sh-painted using a selection of Hataka and Vallejo colours.

varnish, I applied a series of pin-washes, the perfect
ve's AK 066 (Enamel Wash for DAK Vehicles).

varnish were applied to the entire model.

lightly sprayed over the entire model to
rfaces covered in a fine layer of dust.

Moving to the rear of the vehicle, I scratch-built the Blue Force Tracker device, together with other missing items. Although not a common feature on these vehicles, the Duke IED antenna certainly looked more interesting than the standard antenna. I also added two KDN-1 day/night cameras (again scratch-built), based on reference images. While I could have spent time detailing the underside of the hull, very little would be visible, so I simply upgraded the winch assembly.

Time now to make a start on detailing the turret. In addition to a wire cutter and mounting plate made from plastic sheet and strip, I included various smaller items such as bolt heads and the RB Model antenna mounts.

Dealing with the chassis and suspension assemblies was, by contrast, fairly complex. Particular care was required when removing the parts from the sprue, and also when attaching the components to ensure correct alignment. I added the brake lines, and prepared the under-chassis mesh screens (from the Mk.FL set) by bending them using my RP Toolz device. Having decided to use PanzerArt's resin wheels, I needed to remove the resin mounts and replace these with the kit's plastic parts, in order to be able to depict them slightly offset. It is interesting to note that the tyres on the resin wheels carry the 'Michelin' name, the kit's version marked 'Nokian'.

As mentioned earlier, the kit includes RPG protection screens, each consisting of a photo-etched mesh panel and a plastic frame. Once these were assembled, I used Tamiya's Extra Thin Cement to attach strips of tissue paper to replicate the material around the frames.

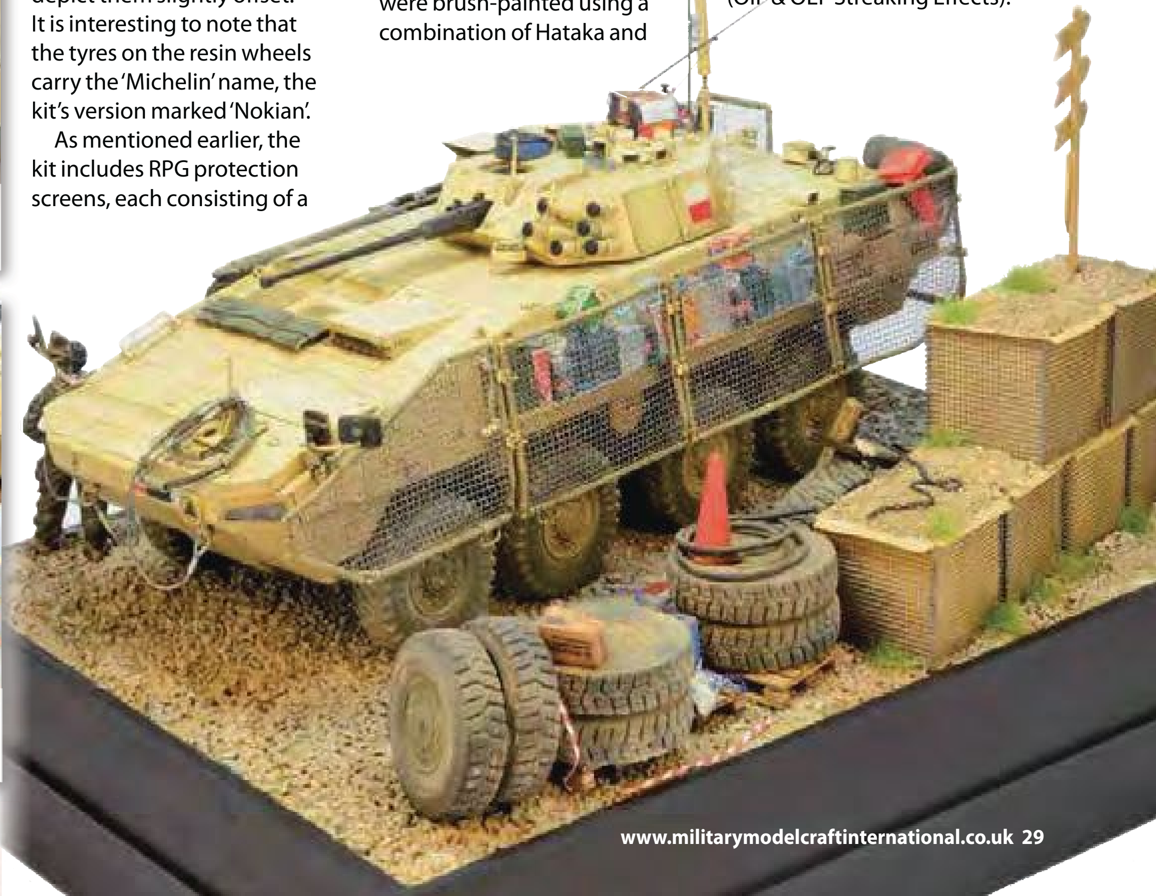
Painting, Marking & Weathering

With the basic construction complete, I was ready to attend to the painting, beginning with an overall coat of green primer to replicate the factory-applied base colour. To achieve tonal variety to the single 'sand' colour, I used several shades from the Hataka acrylics range. Working from the lowest portion upwards, I graduated between HTK-A178 (1945 Dunkelgelb Base), HTK-179 (1945 Dunkelgelb Flash) and HTK-208 (Desert Beige). Allowing these to fully dry, I focused on painting the wheels. As well as varying the colour on the hubs (as per the real vehicles), I used several shades of grey for the tyres for a more realistic appearance.

Returning to the hull and turret, I highlighted appropriate sections using a mix of the base colour and HTK-A101 (Traffic White), paper masks being used to create hard edges where required. With the same mix, and using a fine-pointed brush, I picked out the anti-slip panels, along with bolt heads and hinges. Further details were brush-painted using a combination of Hataka and Vallejo colours. Photographs show certain vehicles with individual panels painted green (presumably replacement parts that have yet to be re-painted?) With another opportunity to provide some contrast, I followed suit by giving one of the front panels a coat of Tamiya XF-67 (NATO Green).

Although the kit-supplied decal sheet offers basic markings, I opted to add to these with various items from my spares box. It is worth noting that the vehicle registration plates tend to be covered with adhesive tape. I also modified the wording on the crew access door, and added Polish flag markings to the turret (cut down from an old Tamiya 'Union Jack' decal).

With a coat of gloss varnish applied, I was ready to attend to the weathering, beginning with a series of pin-washes using AK Interactive's AK 066 (Enamel Wash for DAK Vehicles). Once this was completely dry, I used a selection of Adam Wilder's oil colours to create a faded appearance to the paintwork, followed by darker shades to give the impression of accumulated dirt in particular areas. Before continuing, I gave the entire model a couple of coats of matt varnish. The next step involved adding subtle streaks (focusing on vertical and sloping panels), using AK 123 (OIF & OEF Streaking Effects).



Given the harsh terrain these vehicles encounter, paintwork quickly shows signs of damage. However, replicating this required particular care to avoid overstating the effect. To allow better control, I opted for a 0.1mm fineliner pen rather than a brush. Tamiya XF-57 (Buff) was lightly sprayed over the entire model to give the impression of surfaces covered in a fine layer of dust. Satisfied with the appearance, I added various MIG Productions pigments to the Buff, and repeated the process over the lower areas and wheels.

With the RPG screens assembled, now came the tedious operation of painting and weathering them … not forgetting the mesh cross-over points, each requiring a spot of black (time-consuming, but well-worth the effort).

Stowage

Having collected various items of stowage, the next task was to paint each one individually. Once again, reference photos were checked to ensure that placement of these items would be logical. All that remained was to treat them to the same pigment dusting as used on the vehicle. And with that, the model was complete.

Setting the Scene

A simple base was constructed from balsa wood and Styrofoam, with the groundwork formed from a layer of plasticine. Having covered this with fine sand and gravel, I applied various shades to recreate the arid terrain. Carefully chosen items were now added to the scene. These included several 'Hesco' bastions (from ET Model – ref. EA35-063), wooden transportation pallets, plastic containers, and a set of wheels (conveniently, the redundant plastic items from the IBG kit). To create some height to the scene, I added a makeshift 'home direction' signpost and an antenna mast. With the vehicle and figure in place, the scene was complete.

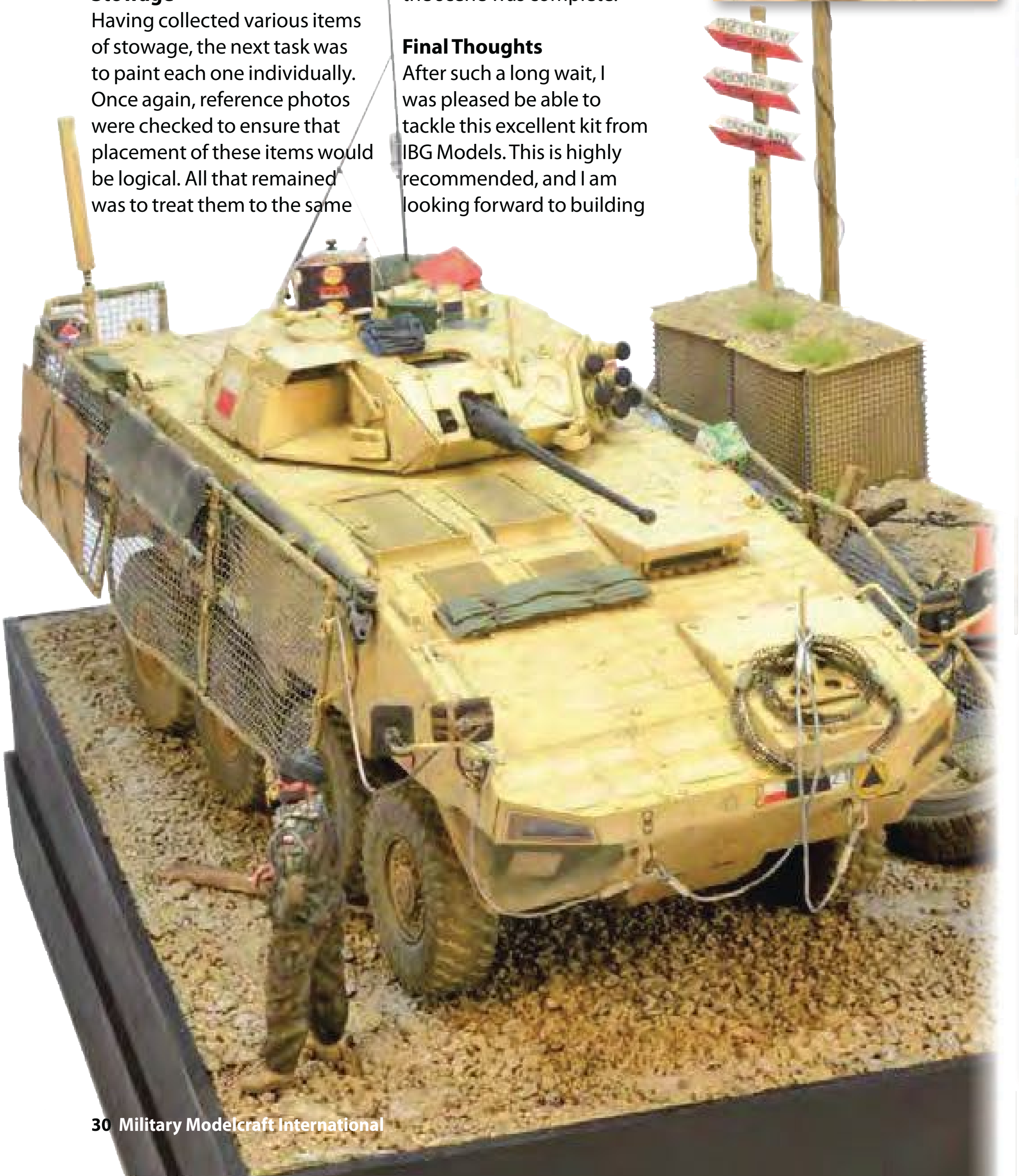
Final Thoughts

After such a long wait, I was pleased be able to tackle this excellent kit from IBG Models. This is highly recommended, and I am looking forward to building the next Rosomak version.

Many thanks to my friend Rafal. Having served on these vehicles in Afghanistan, he was able to provide me with useful information, including many photographs from the front line. Thanks also to Erland Janson, who provided additional photographs.

Availability:

IBG Models' 1/35 KTO Rosomak Polish APC – The Green Devil *(ref. 35032)* is available from all good model shops.

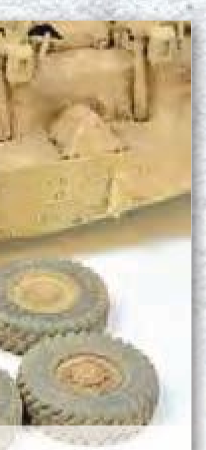


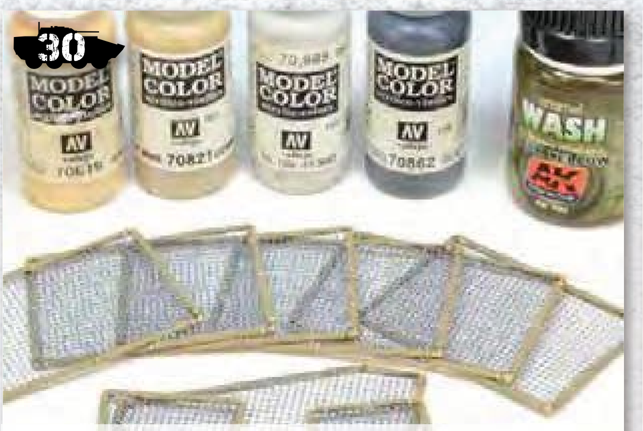
I added various MIG Productions pigments to the Buff, and repeated the process over the lower areas and wheels.

The vehicle ready to be loaded up with stowage.

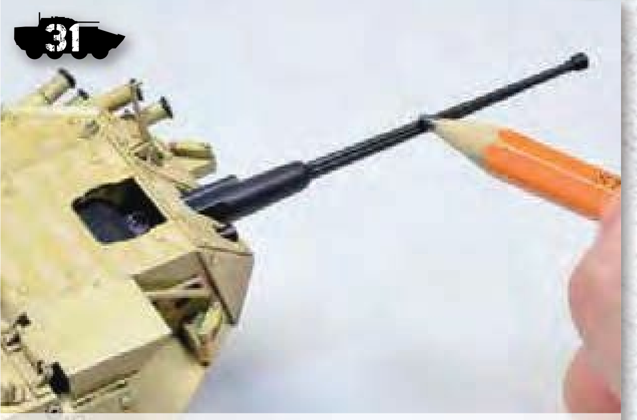
Once in place, the stowage was given a pigment dusting to unify them with the vehicle.

The base was constructed from balsa wood and Styrofoam, with the groundwork formed from a layer of plasticine.

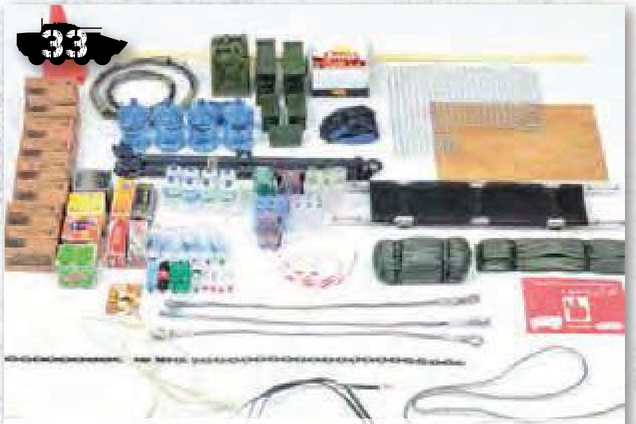




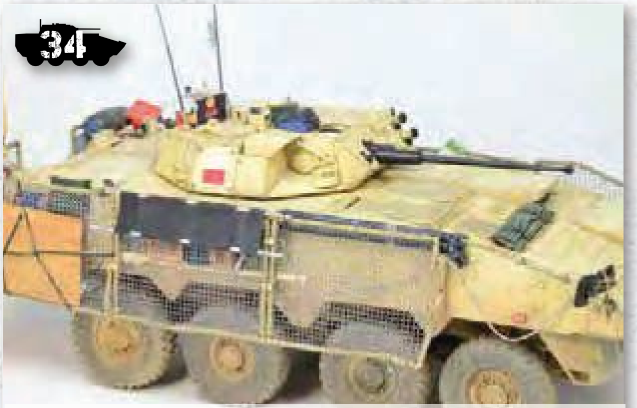
The RPG screens were painted and weathered.



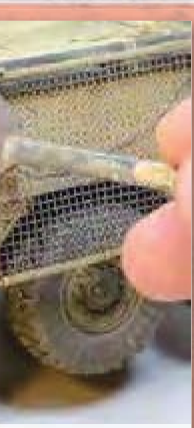
A light touch with the tip of a pencil gave the gun barrel a subtle metallic sheen.

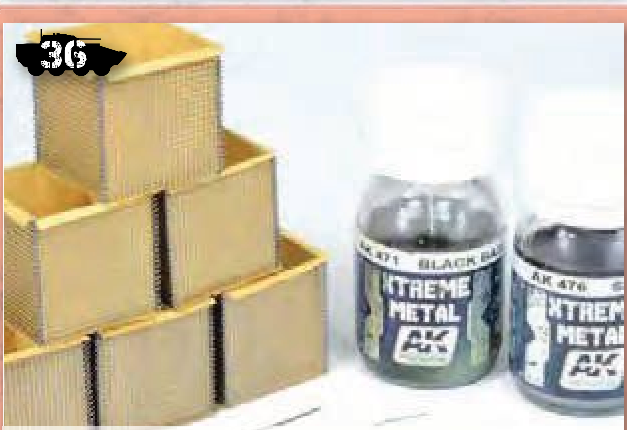


The collection of stowage items, including the essential supply of water.

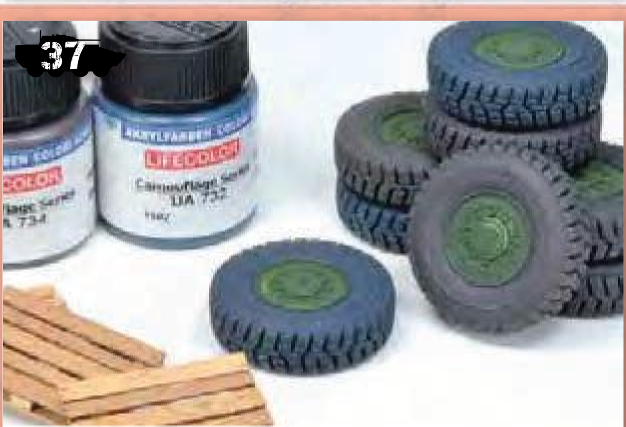


Based on reference photos, the various items were stowed in logical positions around the vehicle.

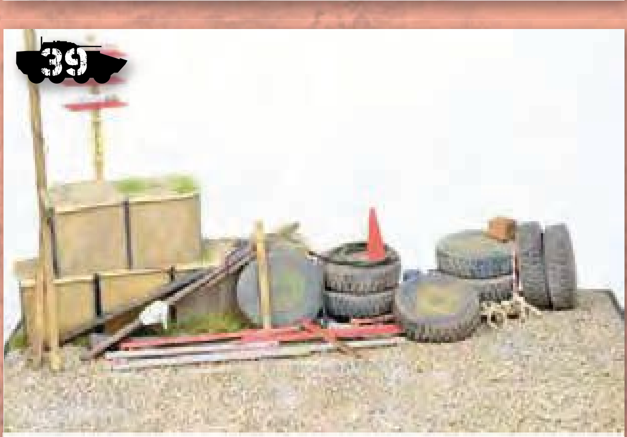




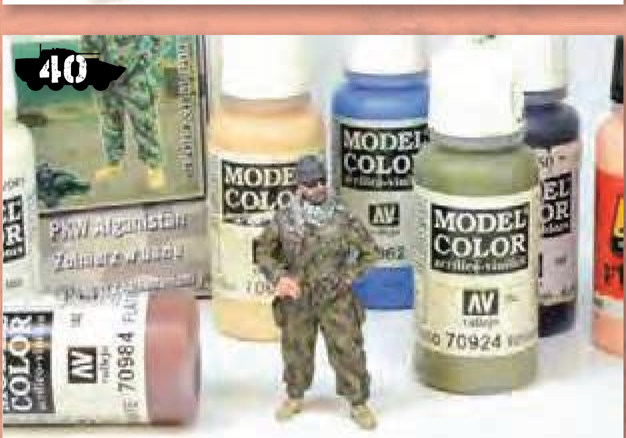
An excellent source for 'Hesco' bastions is ET Model. They produce three sets (different dimensions), the one used here being item EA35-063.



Not wishing to waste the kit's wheels, I decided to paint and weather them, and include them in the eventual scene.

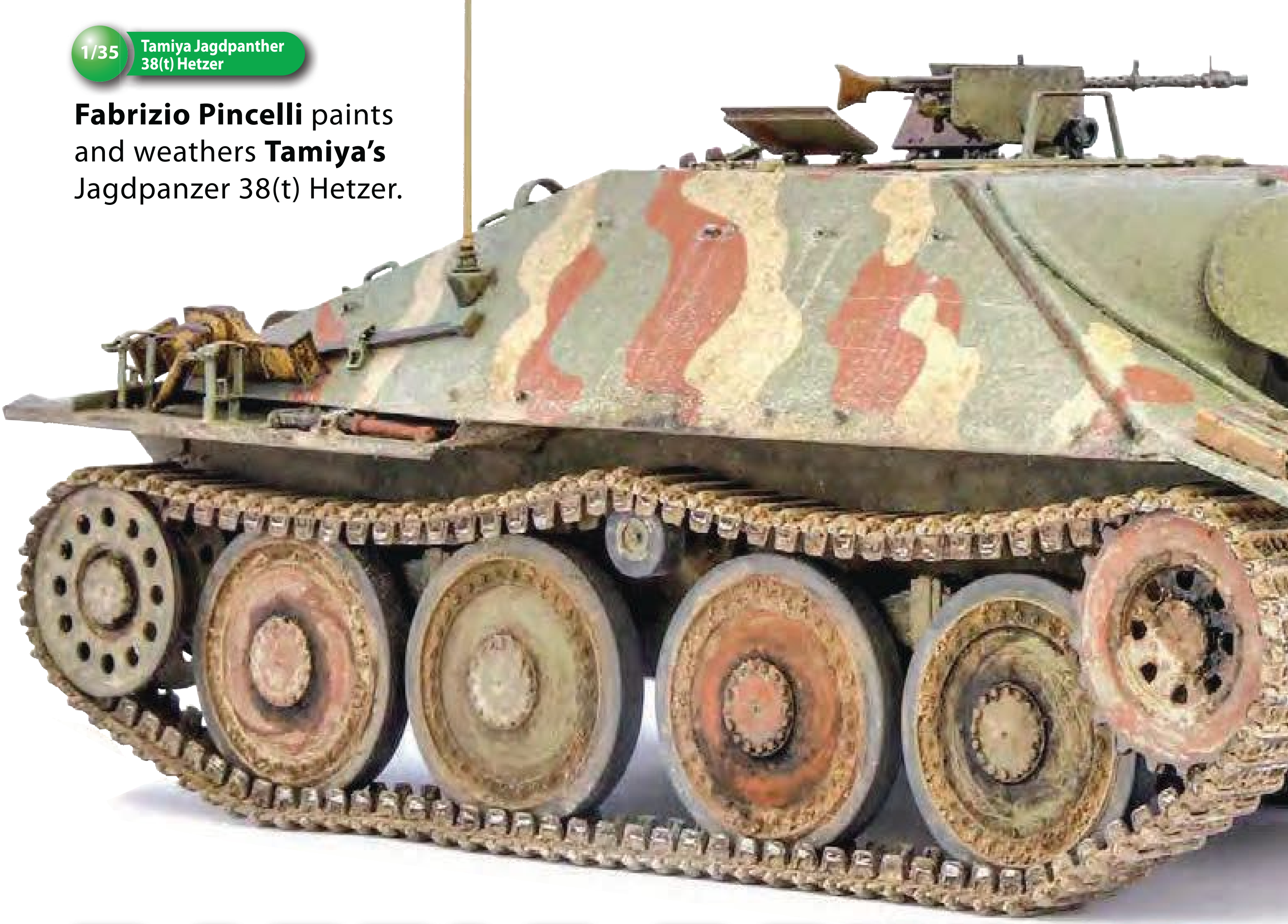


The scenic base complete, ready to receive the vehicle and accompanying crew figure.



Toro Model produce a wide range of figures, including this item (ref. 35F46) . . . the perfect addition to my scene.

Fabrizio Pincelli paints and weathers **Tamiya's** Jagdpanzer 38(t) Hetzer.



RABBLE ROUSER

Frequently (although incorrectly) referred to as *'Hetzer'* ('Rabble Rouser', according to Google translate – hence the title of this article – ed), the Jagdpanzer 38 (Sd. Kfz.138/2) was a German tank destroyer based on the Panzerkampfwagen 38(t) chassis, its design inspired by the Romanian *'Mareşal'* tank destroyer. In fact, the name 'Hetzer' related to another project, the E-10. It appears that documentation at the Škoda factory confused the two vehicles, and the unofficial name was subsequently used to refer to the Jagdpanzer 38, as confirmed in a briefing paper from Heinz Guderian to Hitler. Basing their work on this statement, post-war historians have tended to perpetuate the error, to the extent that it has become commonplace when referring to the Jagdpanzer 38(t).

The Panzerkampfwagen 38(t) was originally a Czech pre-war design. With Germany's occupation of Czechoslovakia, the vehicle was adopted by the Wehrmacht, and was deployed during the invasions of Poland, France and Russia. Production ceased in 1942, but the chassis and other components continued to be employed in the development of several other vehicles, including the Marder III and the Jagdpanzer 38.

Although plans were already in place to produce the Jagdpanther and Jagdtiger, the Jagdpanzer 38(t) was deemed to be more cost-effective having the benefit of a proven

chassis design. However, the chassis itself was widened and lengthened to accommodate the larger gun, its suspension modified to be fitted with larger road wheels, and the engine replaced by the new Praga 6-cylinder 7.8-litre version. These changes, together with thicker armour resulted in an increase in weight (16 tonnes, against the original vehicle's 9.8 tonnes), though the maximum road-speed remained at 42km/h (15km/h cross-country).

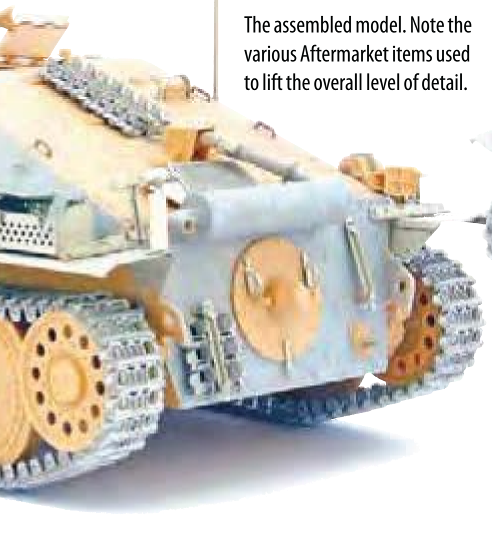
Armed with the 7.5cm Pak 39 L/48, the Jagdpanzer 38(t) entered production in 1944, with almost 2,600 being built until the end of the war. In November 1944, Hitler ordered the refurbishment of a number of these vehicles, to be fitted with a Keobe flamethrower in place of the main gun. Designated Flammpanzer 38(t), fewer than 50 were actually produced, but they were used operationally against the Allied forces in Normandy. Further variants included the Bergepanzer 38 (a light recovery vehicle), and a version armed with the 15cm sIG 33/2 howitzer. Prototypes were developed for the Jagdpanzer 38 Starr (a simplified version of the vehicle, and a step towards the E-10). Plans were also drawn up for an assault gun version armed with the 10.5cm StuH 42 gun, a version mounting the 7.5cm KwK 42 L/70 gun from the Panther, and an anti-aircraft vehicle fitted with a FlaK turret. However, none of these reached the production stage. After the war Czechoslovakia continued production: versions ST-I and ST-III (around 180 produced as training vehicles); and G-13 (158 exported to Switzerland). Most of the vehicles currently seen in museums and private collections are of Swiss origin.

The Model

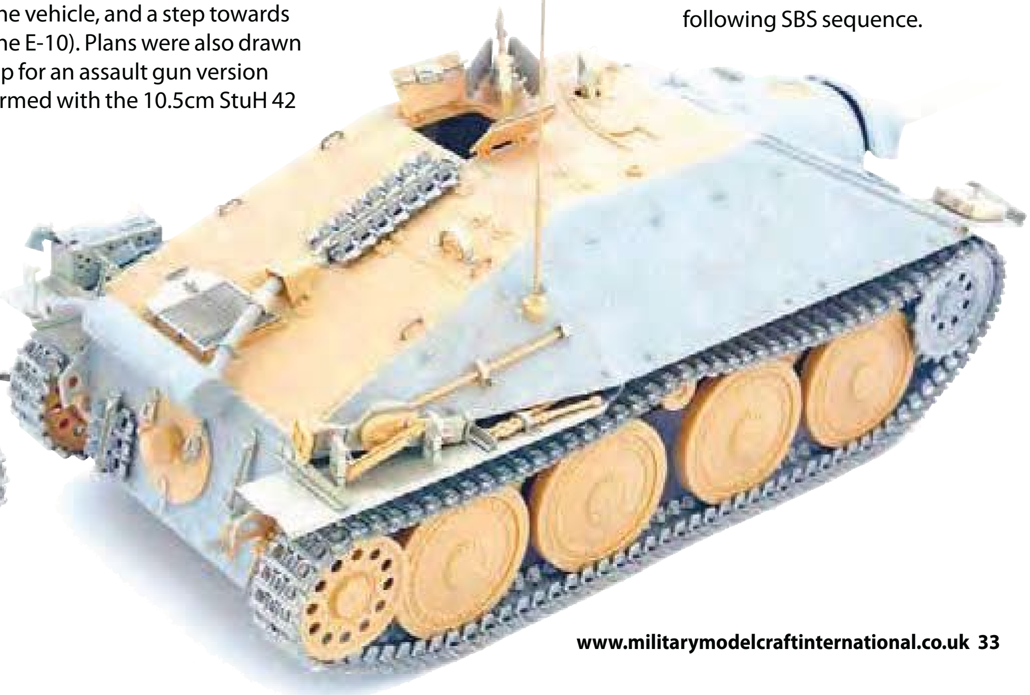
The starting point for this project was **Tamiya's 'Jagdpanzer 38(t) Hetzer – Mittlere Produktion'.** Despite being almost ten years old, the kit lives up to expectations; crisp moulding, generally well-defined details, and with most dimensions being correct as per available references. A total of 215 injection-moulded components include a set of link-and-length tracks (with the option of one-piece vinyl tracks), and a multi-part standing crew figure. Also provided are poly-caps for attaching the drive sprockets, and for the gun mounting assembly to allow this be elevated once in place. Assembly instructions follow the usual Tamiya format, and are accompanied by painting/marking schemes for four examples, together with a sheet of appropriate decals.

While simply relying on the Tamiya kit would result in an immediately recognisable model of the JgPz.38(t), I decided to indulge in the luxury of a couple of aftermarket sets: **Aber's 'PE Upgrade Set & Turned-Metal Gun Barrels'** *(ref: 35 K06)*, and **Friulmodel's 'Individual-Link Metal Tracks for Jagdpanzer 38 Hetzer – late'** *(ref: ATL-35)*. Again, though the kit instructions suggest various colours for the respective camouflage schemes, I took advantage of one of Ammo's recent acrylic paint sets, **'Late German Camouflages – 1944-1945'** *(ref: A.MIG 7101)*.

As expected, assembly proved to be relatively straightforward, the only difficulty being the correct positioning of the photoetched rear fenders. I found the best approach was to carefully align and attach the supports before fitting the fenders to the hull. With the basic construction complete (as described in the accompanying photos), I was ready to consider the distinctive camouflage scheme. The actual colours were not an issue; the AMMO shades for Dunkelgelb, Rotbraun and Resedagrün are excellent. My main problem was ensuring that the characteristic hard-edged pattern was accurately depicted. So, with the help of the kit-supplied colour profiles and other reference images, and with a decent supply of masking tape, I made a start. Of course, with the basic colours laid down, the model would require the customary weathering treatment; a combination of dust, wet and dry mud, grease and oil stains … all of these covered in the following SBS sequence.

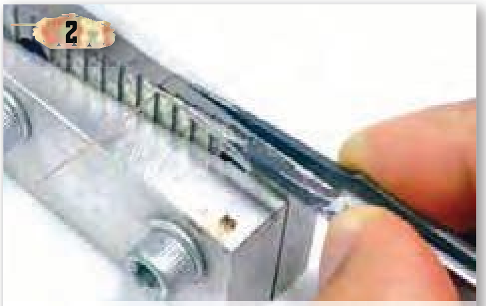


The assembled model. Note the various Aftermarket items used to lift the overall level of detail.

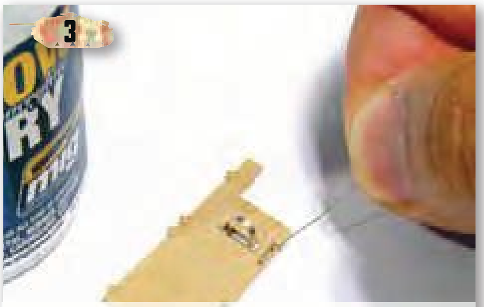


1
Jagdpanzer 38(t) Hetzer

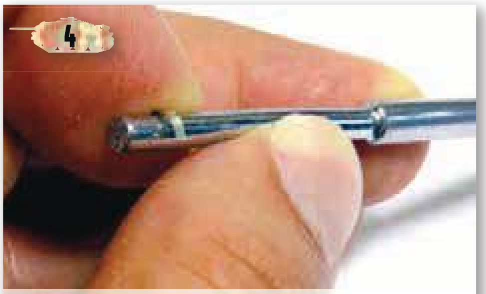
Supplementing the Tamiya kit, I made use of aftermarket products from Aber and Friulmodel, and painted the model with AMMO's 'Late German Camouflages' acrylic set.



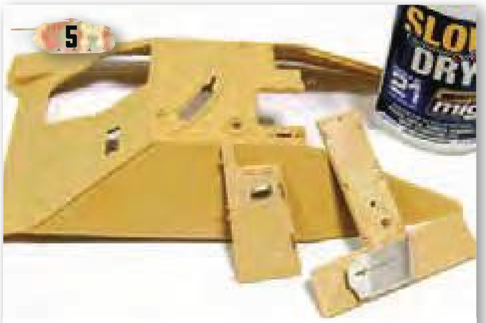
Using the correct bending tool allowed me to create the variously sized grab handles.



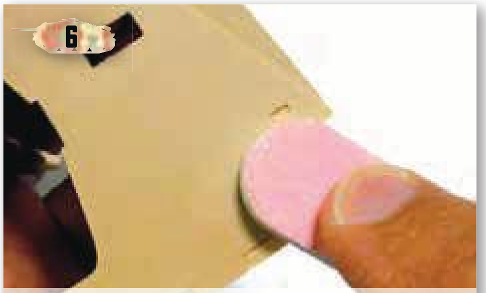
Before attaching these, I drilled location holes, and attached the handles with super glue.



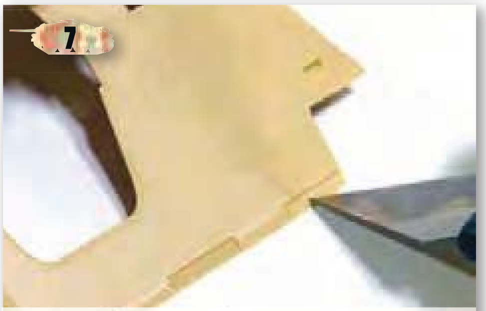
Achieving the curved shape for the periscope guards was simply a case of carefully bending them around a metal tube of the correct diameter.



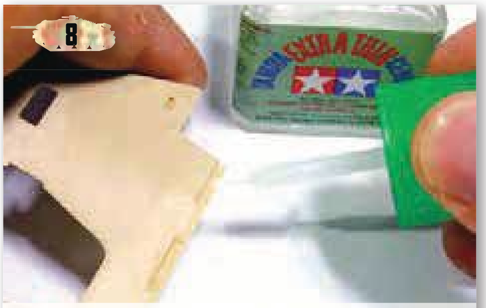
Progress so far, with various details added.



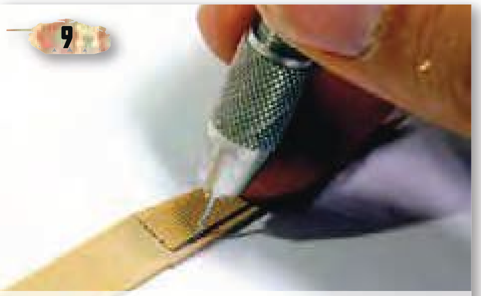
In preparation for adding photoetched components, unwanted plastic details were carefully removed, and the area smoothed with a sanding stick.



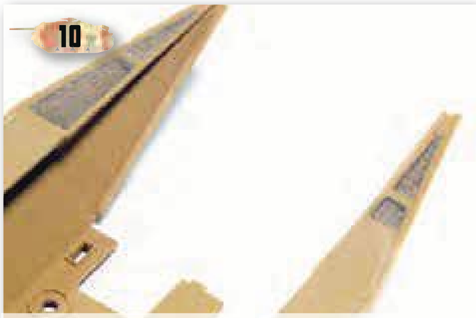
I used a sharp blade to replicate the torch-cut edges of interlocking panels.



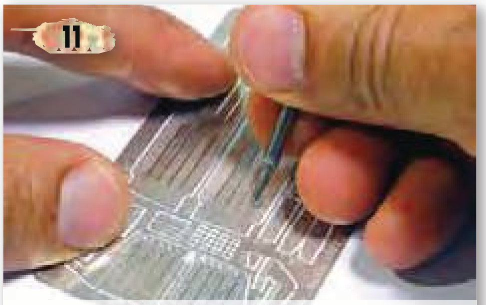
Tamiya's Extra Thin Cement was brushed on to soften the plastic.



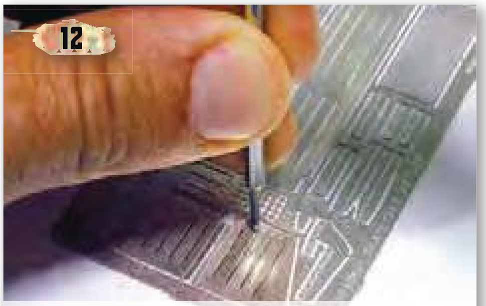
The simplest way to remove the integrally-moulded engine grilles was to drill a series of holes around the edges, remove the panel, and finish off with a file to neaten the aperture.



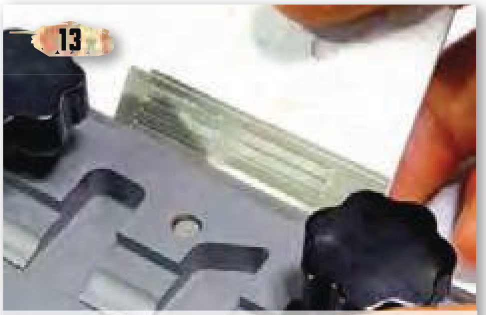
The replacement grilles were then attached with super glue.



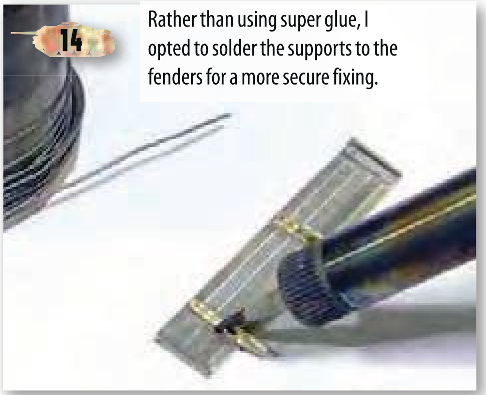
Before removing the photoetched fenders from the fret, I scored the grooves along the pre-marked lines.



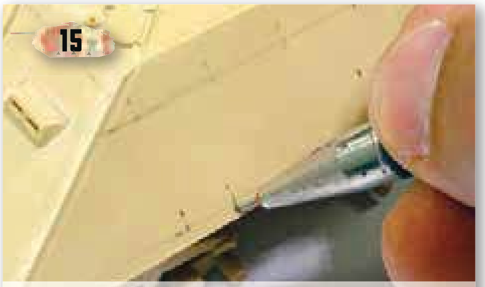
A punch was then used to replicate the rivet heads.



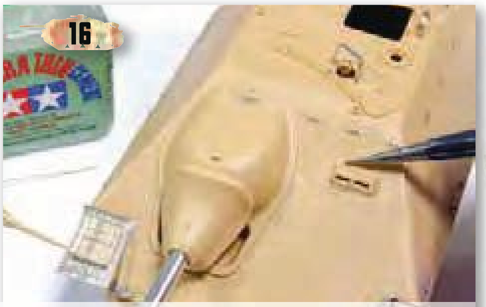
I used a photoetch bending tool to form the outer edges of the fenders.



Rather than using super glue, I opted to solder the supports to the fenders for a more secure fixing.



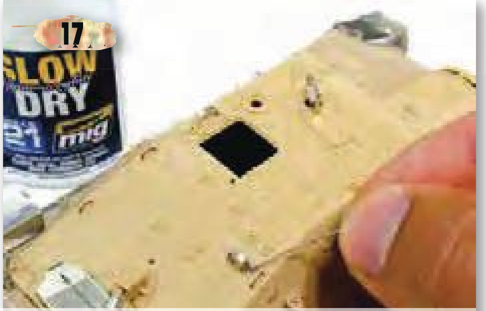
Before attaching the photoetched items, I carefully marked the location points to ensure that everything would be correctly positioned.



16

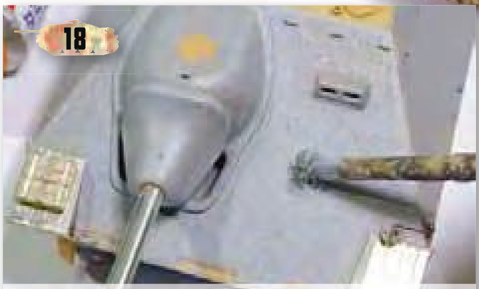
Lengths of stretched sprue were used to replicate weld seams, a feature omitted from the kit.

HETZER: STEP-BY-STEP



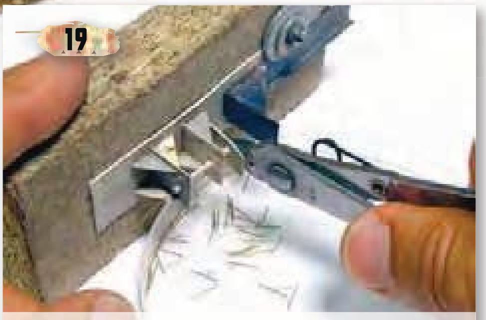
17

Further photoetched details were attached using super glue.



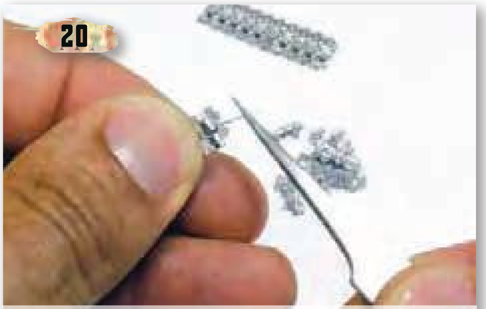
18

Using an old brush, I applied a mix of Tamiya Putty and Extra Thin Cement to replicate the cast-steel surface to relevant panels.



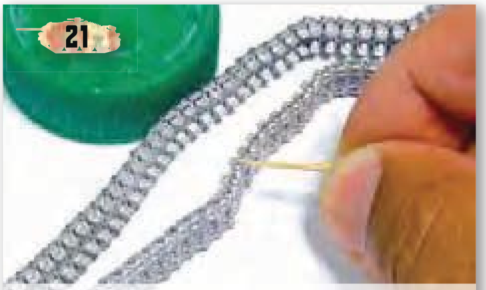
19

With the help of a home-made jig, cutting the track-link pins to the correct size was a simple task.



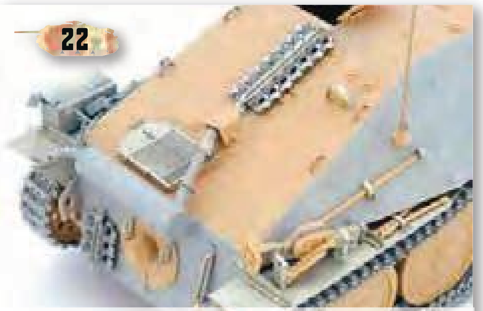
20

Using a pin vice and a 0.4mm bit, I opened up the holes in each link, and inserted the pins using a pair of tweezers.



21

Once in place, the end of each pin was secured with a drop of super glue. Particular care was required here, to ensure that the tracks themselves remained articulated.

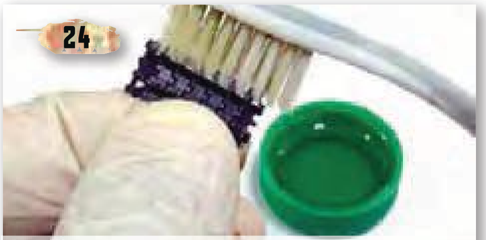


22

Construction completed, I was ready to break the model down into sub-assemblies in preparation for painting.

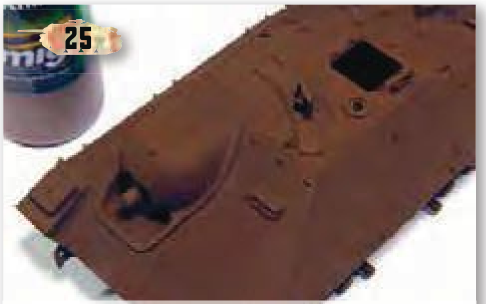
23

One advantage of using these white-metal tracks is that they can be realistically corroded with the help of Burnishing Fluid.



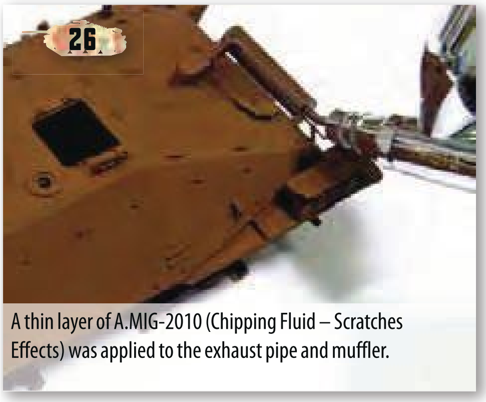
24

Having immersed the tracks in the liquid for around five minutes, I used an old toothbrush to ensure that the entire surface was covered, and then placed them in water to halt the action of the burnishing fluid (a small section shown here to illustrate the process).



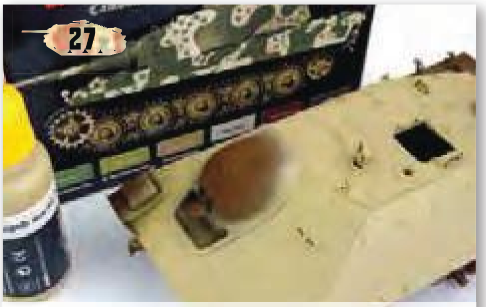
25

The painting sequence began with an overall coat of A.MIG-2006 (Rust Primer).



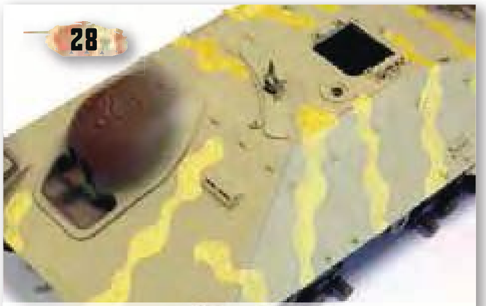
26

A thin layer of A.MIG-2010 (Chipping Fluid – Scratches Effects) was applied to the exhaust pipe and muffler.



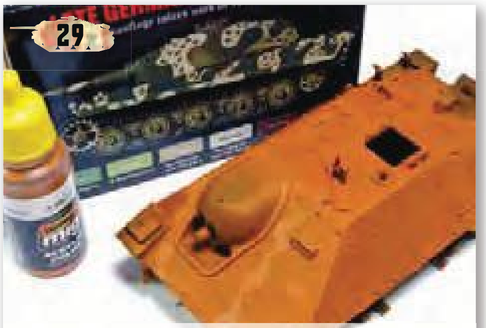
27

The main areas of the model received a coat of dunkelgelb from the AMMO paint set.

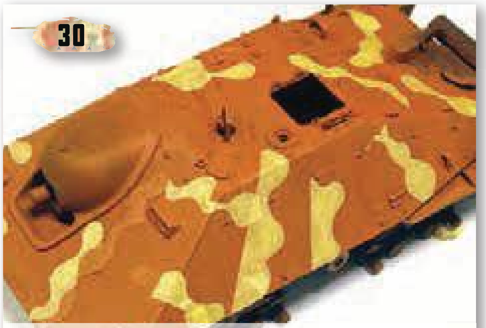


28

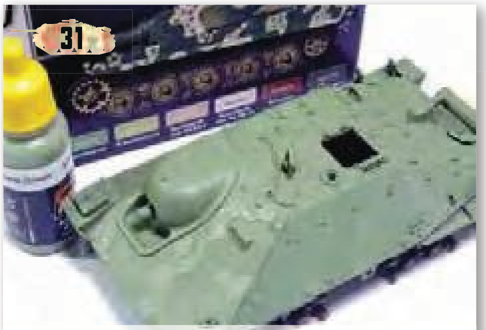
Strips of masking tape were attached to a smooth surface, and cut to the desired shapes before being applied to the model.



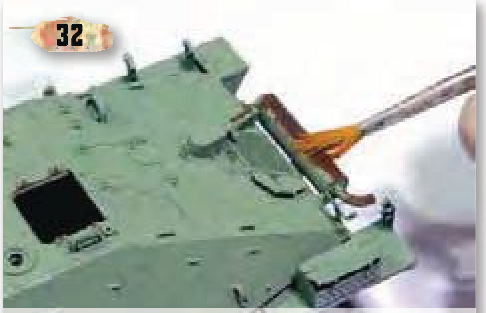
Time to add the second colour, rotbraun.



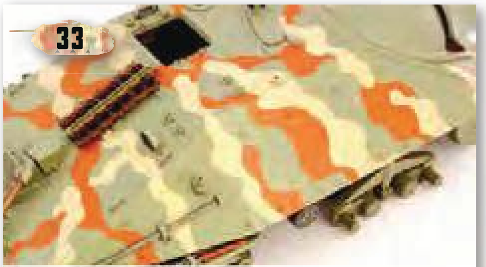
More masking . . .



And now the third colour, resedagrün.



With the help of a brush and warm water, I began to remove portions of the paint from the exhaust.

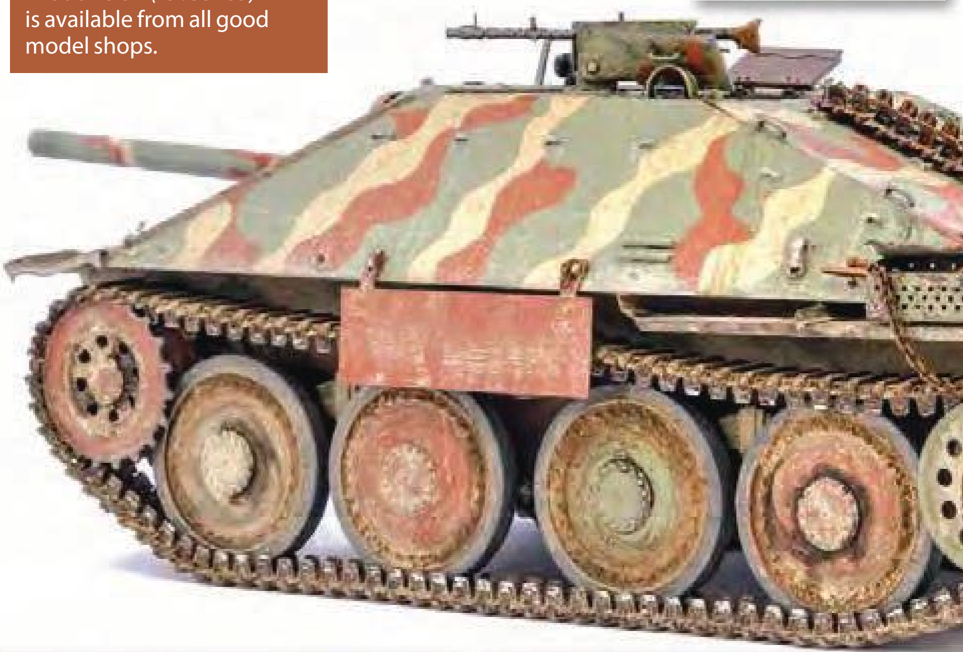


Having removed the masking tape, I was able to check the result of my three-colour camouflage scheme. The various on-board tools and equipment were brush-painted, and the entire model treated to a protective coat of matt varnish.

Availability:

Tamiya 1/35 Jagdpanzer 38(t) Hetzer – Mittlere Produktion *(ref. 35285)* is available from all good model shops.

Jagdpanzer 38 t Hetzer



The tracks received a coat of A.MIG-034 (Rust Tracks).

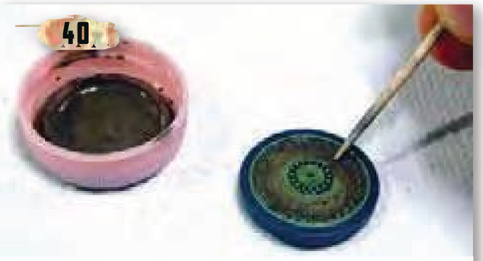
Using a brush, I now applied A.MIG-3009 (Gun Metal Pigment) to replicate the polished metal of the contact surfaces.

A.MIG-3004 (Europe Earth Pigment) was applied to the tracks, and secured with A.MIG-3000 (Pigment Fixer).

A light sanding redefined the polished metal appearance to the contact areas.

Having painted the wheels to match the vehicle's camouflage colours, I picked out the roadwheel tyres with A.MIG-0033 (Rubber & Tires).

A.MIG-1000 (Brown Wash for German Dark Yellow) was applied to each wheel.



40

To create the appearance of wet mud over the wheels, I mixed a small quantity of crushed rock with A.MIG-1403 (Earth), and liberally applied this with an old brush. A toothpick was then used to break up the surface for a more realistic effect.

Light Dust
Effects
mig

41

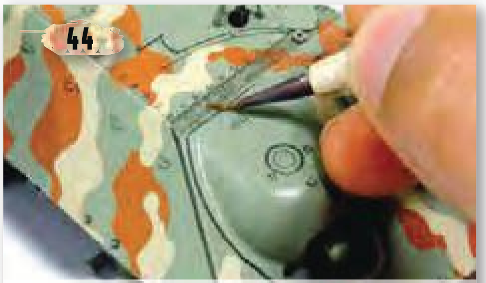
A similar technique was used to suggest dry mud; this time using a lighter colour, A.MIG-1401 (Light Dust).

42

This was concentrated around the centre of the wheels, and over the tyres.

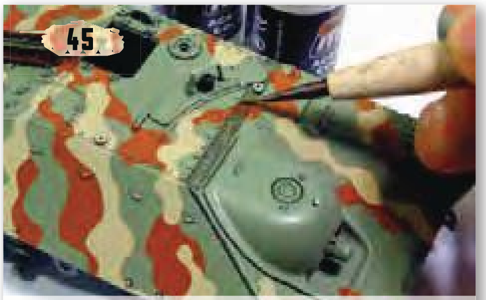
43

Again using various AMMO products, I simulated grease stains around the wheel hubs.



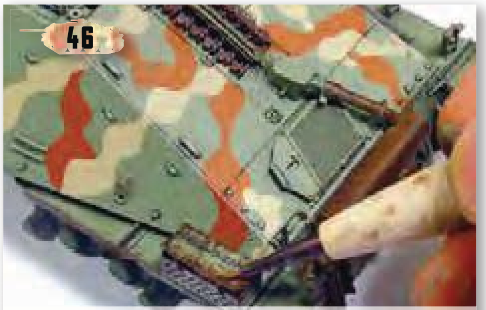
44

Returning to the main part of the model, I applied A.MIG-1008 (Dark Wash) to give further definition to weld seams and panel lines.



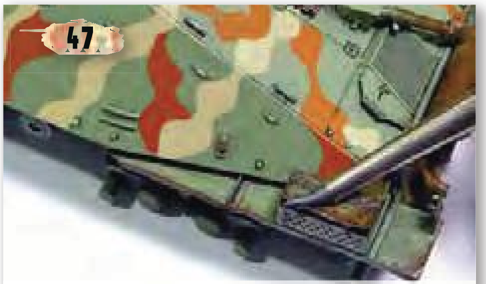
45

I highlighted specific details using a lightened version of the base colour.



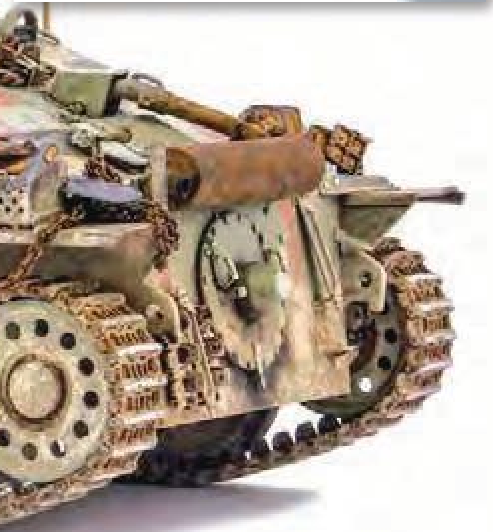
46

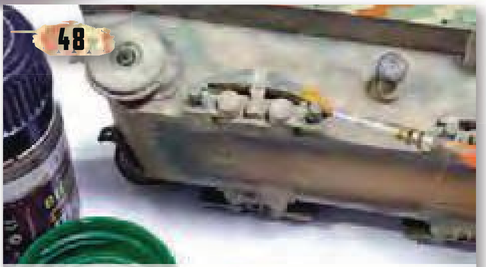
A.MIG-035 (Dark Tracks) was brushed over certain areas to give the impression of extensive corrosion.



47

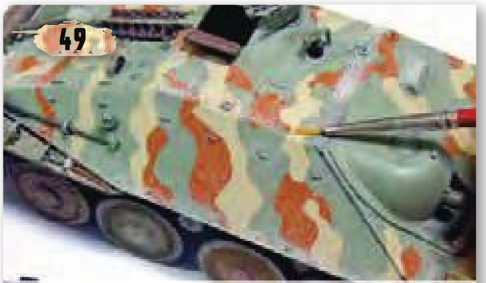
Using a Teflon brush, I applied small amounts of A.MIG-3009 (Gun Metal Pigment) to simulate exposed metal on panel edges that would be subject to heavy wear.





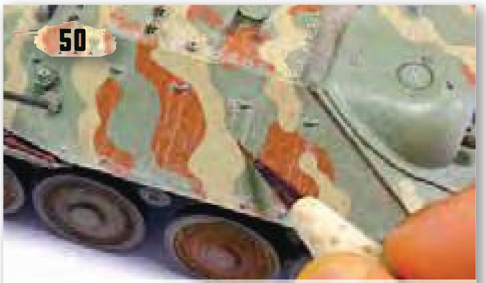
48

Having prepared a mix of A.MIG-1700 (Dry Light Soil), A.MIG-1403 (Earth) and crushed rock, I brushed this over the lower hull and running gear, and added further patches A.MIG-1403 to give the impression of damp mud.



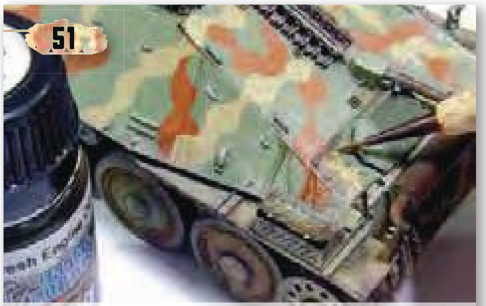
49

Combining Buff oil paint with A.MIG-1700, I diluted this with white spirit, and applied it as a general wash to depict dust deposit over the upper surfaces.



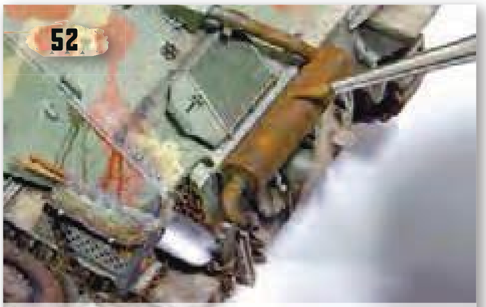
50

Using A.MIG-1208 (Rainmarks Effects) and a fine-pointed brush, I added streaking to vertical and sloping surfaces to suggest dust that had been carried down with rainwater.



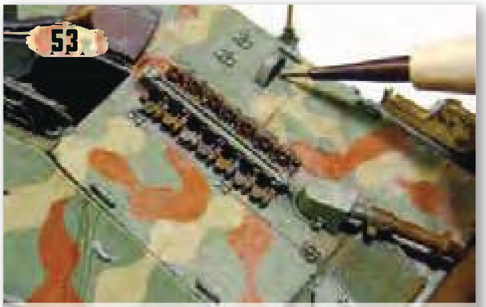
51

A-MIG-1408 (Fresh Engine Oil) was used to simulate grease stains around the engine compartment doors.



52

The exhaust was treated to patches of A.MIG-1004 (Light Rust Wash) to vary the tone.



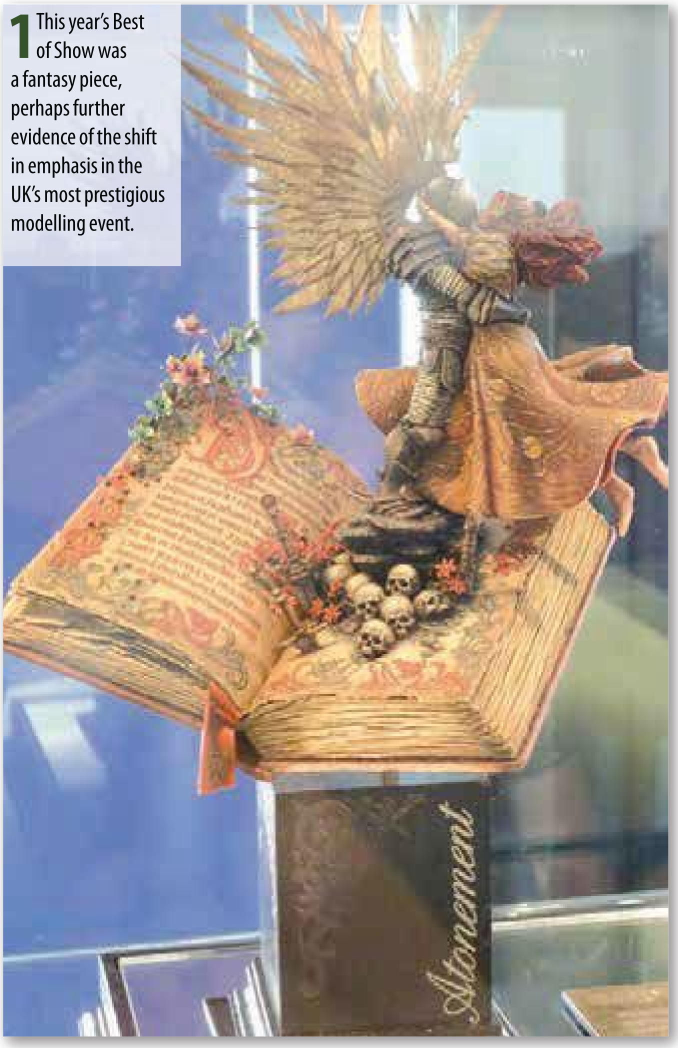
53

The finishing touch was to pick out the periscope lenses with A.MIG-0098 (Crystal Light Blue).

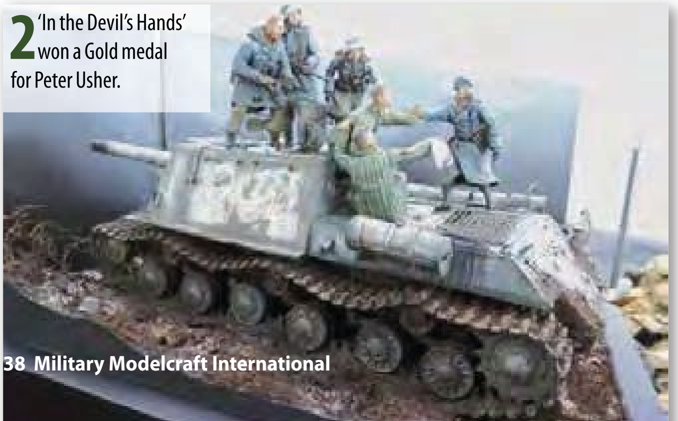
SHOWTIME – EURO MILITAIRE 2016

The Editor reports from the annual Folkestone show.

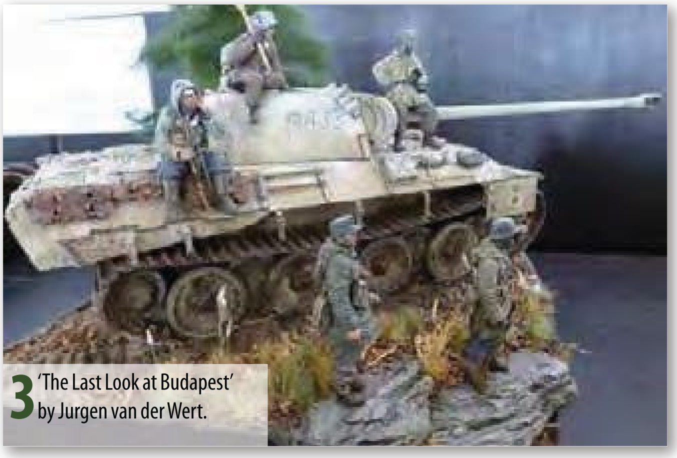
The third weekend in September saw modellers from across the UK and further afield make the annual journey down to the Kentish coastal town of Folkestone. This was the 31st year and, if truth be told, the show didn't quite have the same buzz as it did in its heyday. There are several reasons for this that have been discussed at length on Facebook and on the online forums, but those who did make the trip had a good time. The number of entries in the competition were down quite noticeably (especially in the armour classes and despite new ship and aircraft class being introduced this year), but the quality was, as ever, superb with some magnificent models on display. The judging was, as ever, a little controversial, but what you see here are the models that caught my eye, some of which were justly rewarded by the judges and some which were not.



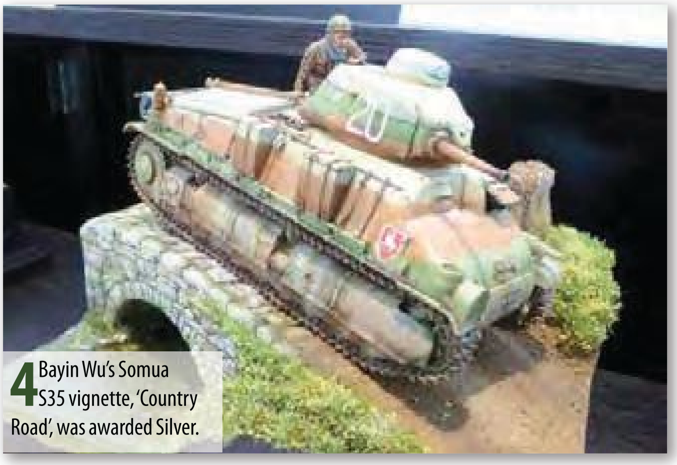
1 This year's Best of Show was a fantasy piece, perhaps further evidence of the shift in emphasis in the UK's most prestigious modelling event.



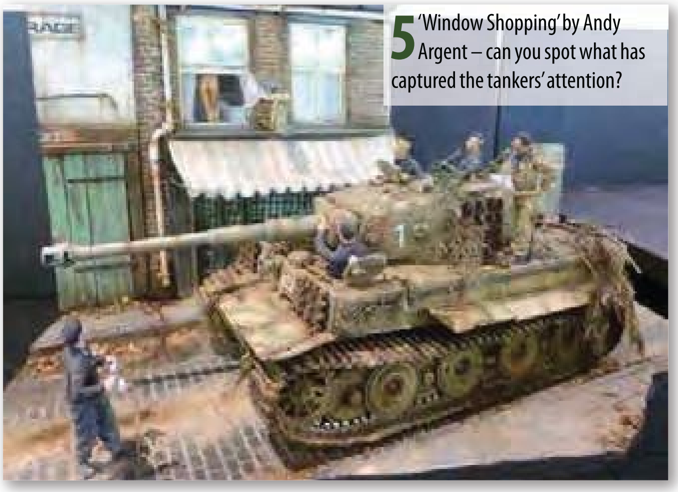
2 'In the Devil's Hands' won a Gold medal for Peter Usher.



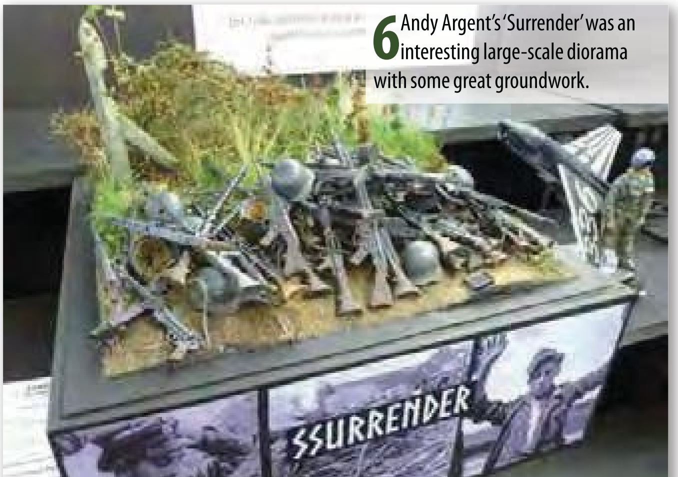
3 'The Last Look at Budapest' by Jurgen van der Wert.



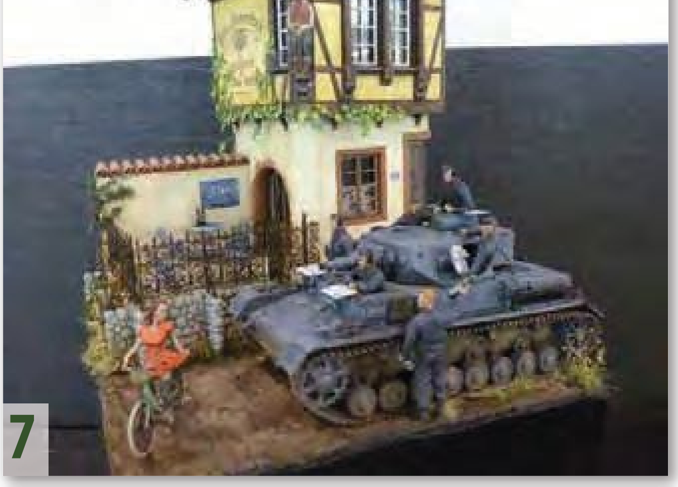
4 Bayin Wu's Somua S35 vignette, 'Country Road', was awarded Silver.



5 'Window Shopping' by Andy Argent – can you spot what has captured the tankers' attention?



6 Andy Argent's 'Surrender' was an interesting large-scale diorama with some great groundwork.



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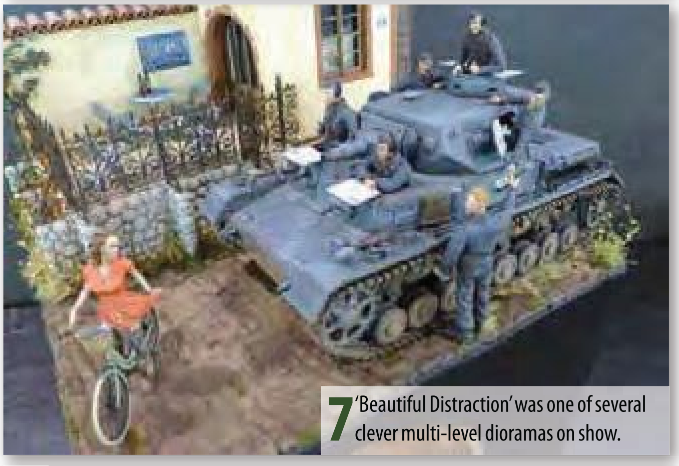
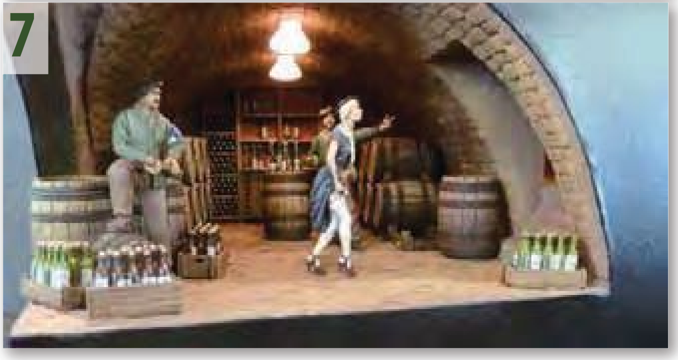


7 'Beautiful Distraction' was one of several clever multi-level dioramas on show.



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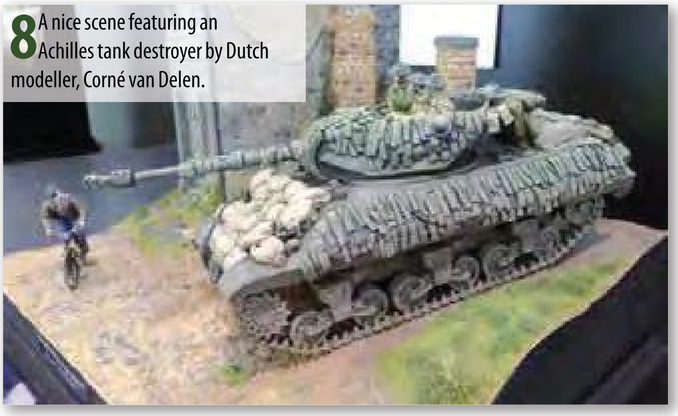
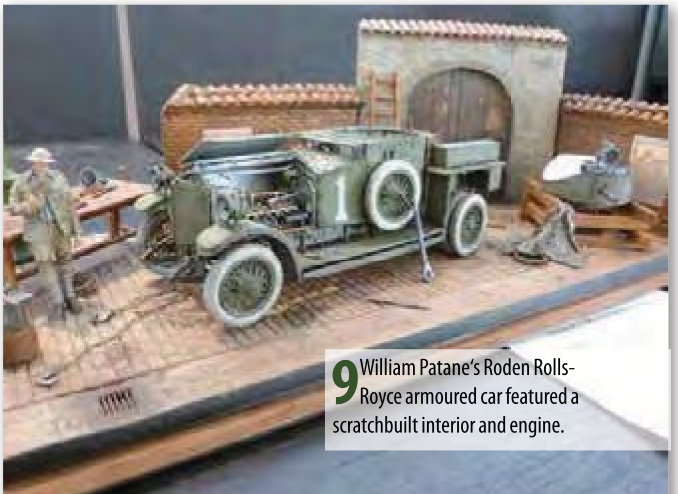
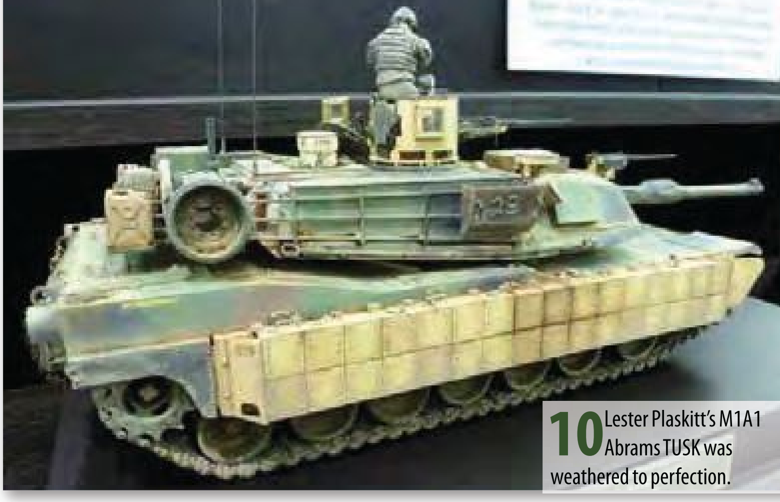
8 A nice scene featuring an Achilles tank destroyer by Dutch modeller, Corné van Delen.

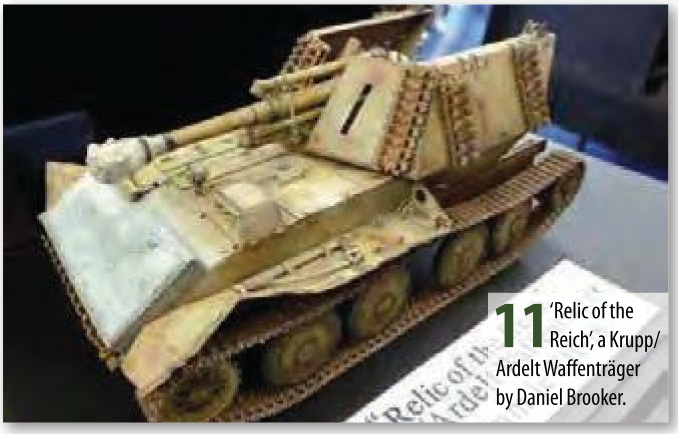




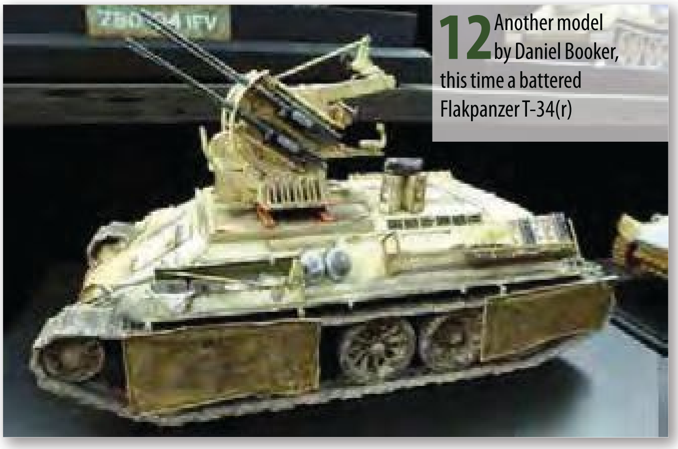
9 William Patane's Roden Rolls-Royce armoured car featured a scratchbuilt interior and engine.



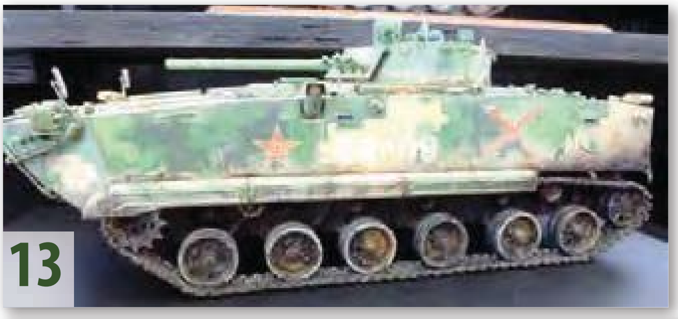
10 Lester Plaskitt's M1A1 Abrams TUSK was weathered to perfection.



11 'Relic of the Reich', a Krupp/ Ardelt Waffenträger by Daniel Brooker.



12 Another model by Daniel Booker, this time a battered Flakpanzer T-34(r)



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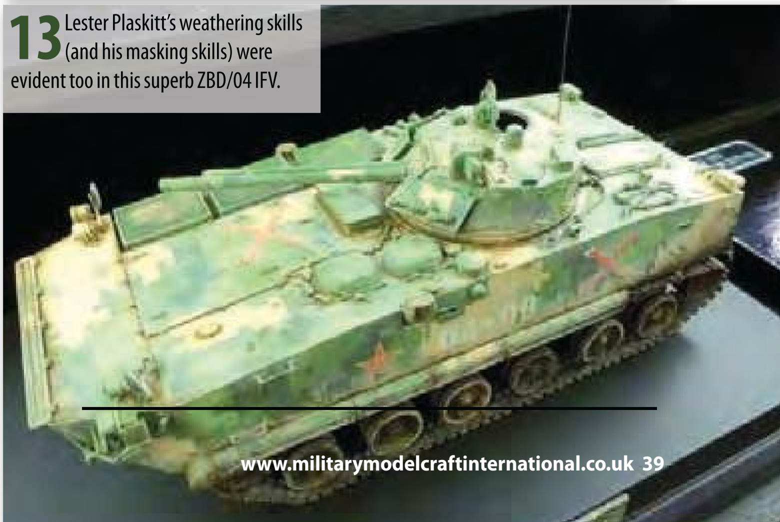
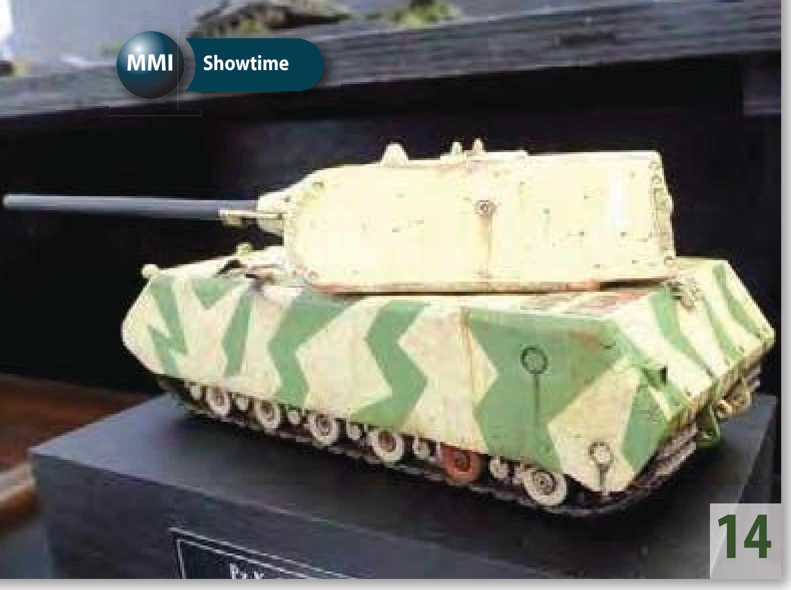
13 Lester Plaskitt's weathering skills (and his masking skills) were evident too in this superb ZBD/04 IFV.





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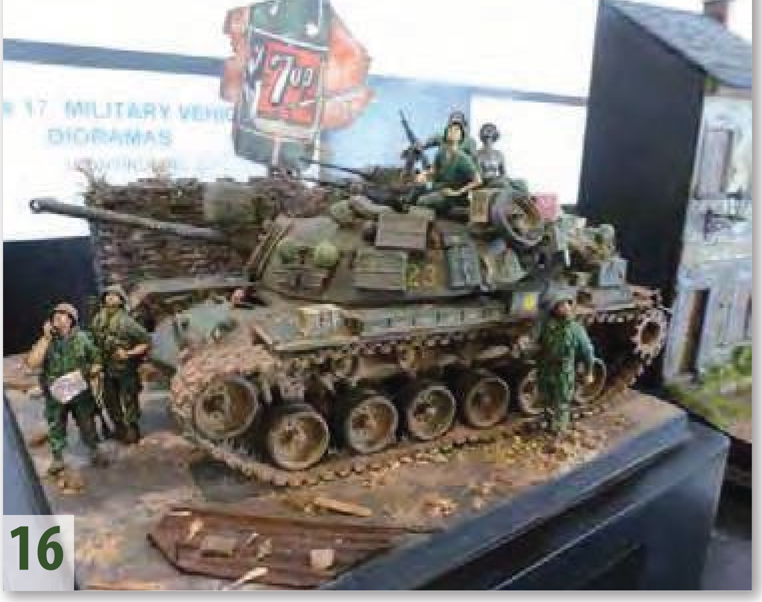

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14 A neatly finished Maus in 1/72 scale by Mario Eens.

15 This beautiful early Tiger I by Gary Pincher was oddly overlooked by the judges.

16 '7up: F4 Phantoms Overheads', a lovely Vietnam diorama by Pete Usher.

17 One of three very nice Whippets on the competition table: this one by Mario Eens.

18 And a Gold-medal winning effort by Fraser Gray.

19 A nicely finished PzKpfw V Panther Ausf. D.

20 'Country Road', a Gold-medal winning M5 Stuart vignette by Glenn Bowen.

21 A PzSpWg Luchs beautifully weathered by Bayin Wu.

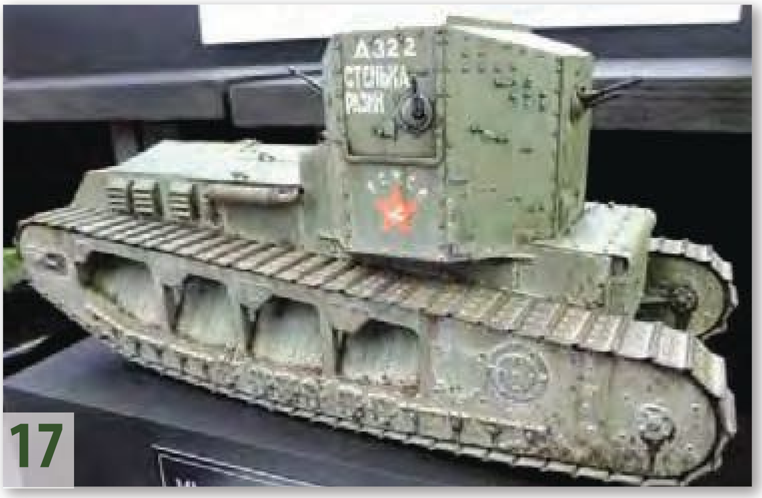
22 A Silver-medal winning M32B1.

23 Felipe Moreno Moya's superbly weathered LVTP.

25 Dave Pickford's Challenger II TES with scratchbuilt 'Barracuda' camouflage.

24 Dave Pickford's scratchbuilt 'Gassed' was an emotive and superbly modelled piece.

26 This Sd.Kfz. 234/4 8-rad was one of my favourites pieces of armour in the competition.



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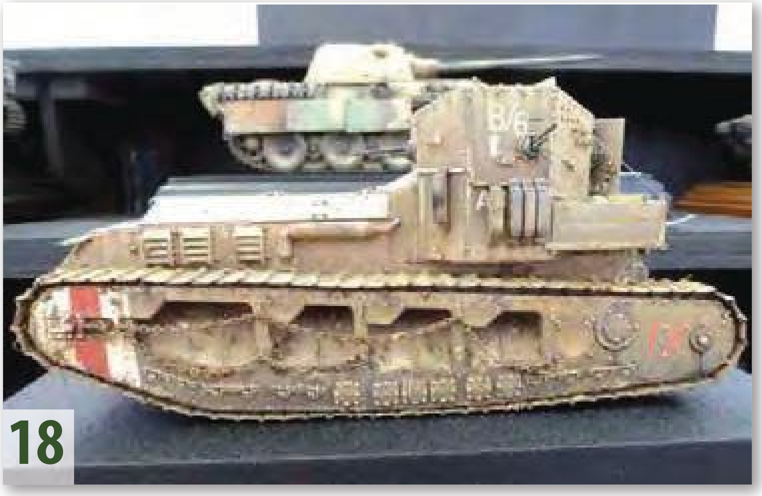

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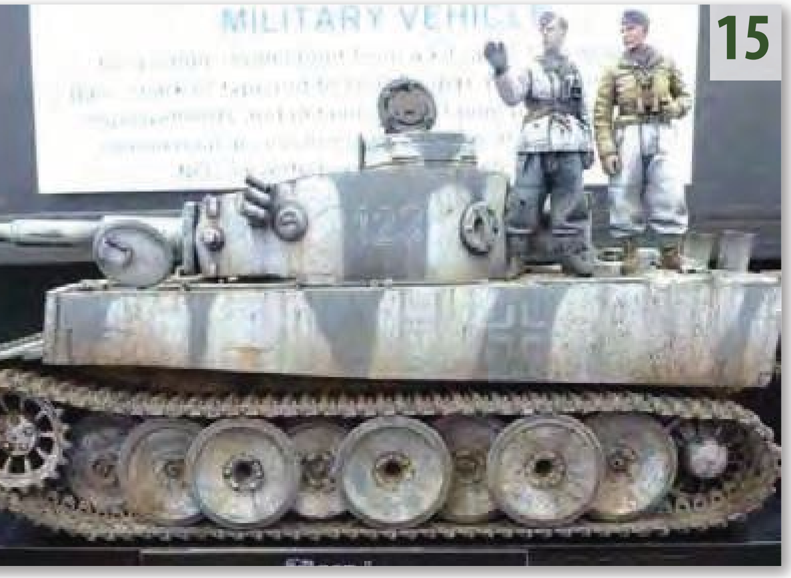

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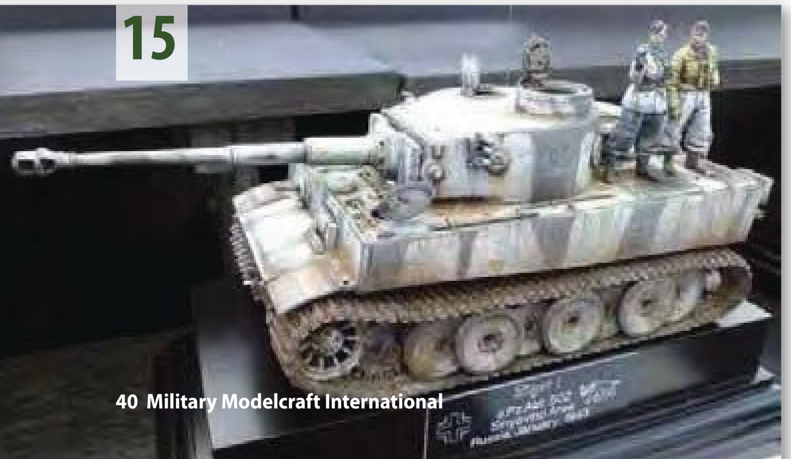

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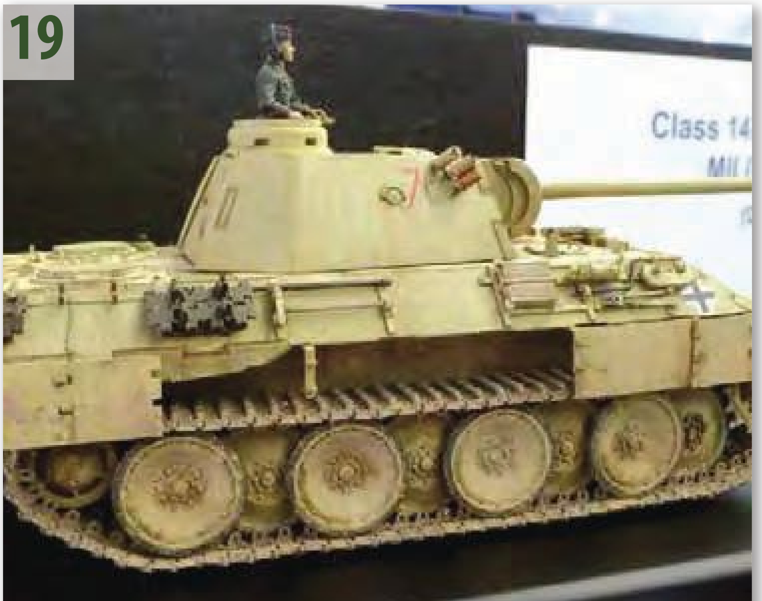

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ERSPAHWAGON
BRAD
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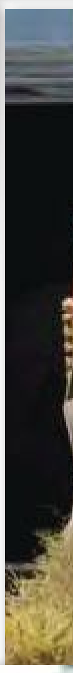
UFEN

Euro Militaire 2016 – Figures

In the last couple of years Euro Militaire has returned to its roots as a figure show. While the number of entries was down this year, the quality was still superb.



SCRATCH BU
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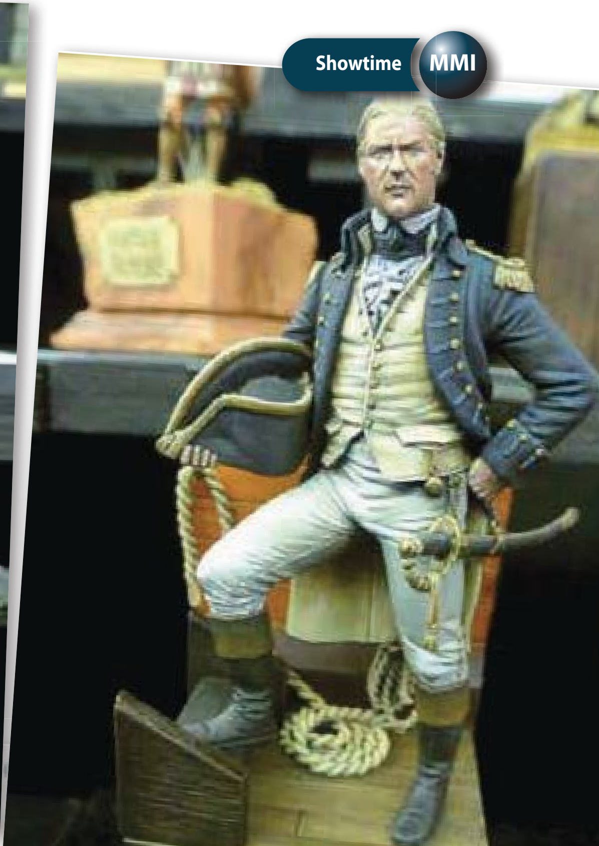

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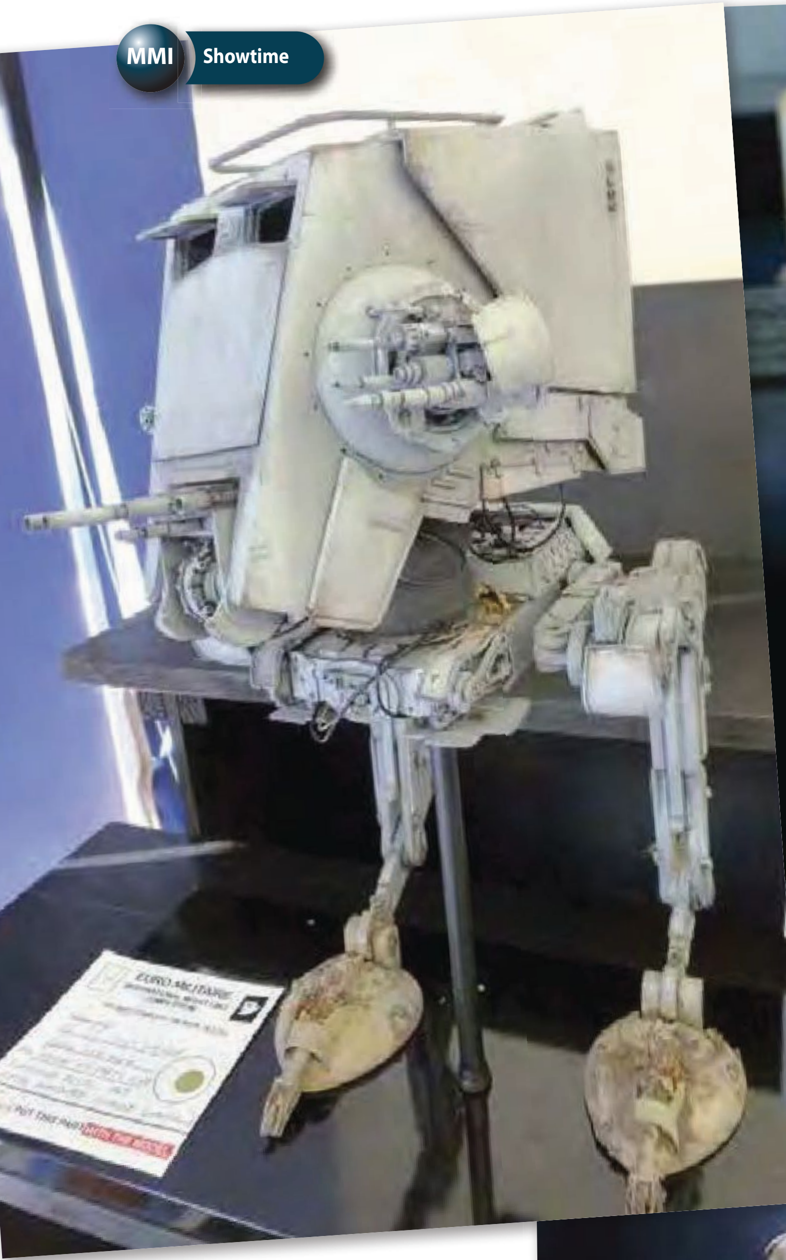
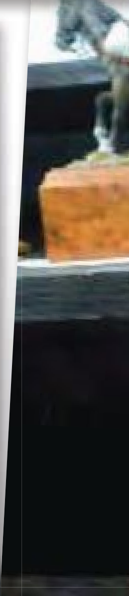


(above) John Simmons AT-ST Scout Walker was one of several superb Sci-Fi models on display.



F. Buscaglia

SHOWTIME - SCALE SCOTLAND 2016

Olaf Kievit reports from the premier modelling show north of the border.

Scale
SCOTLAND
The Capital Model Show

This past year, I was strongly encouraged by friends to visit the Scale Scotland model show in Edinburgh. I couldn't make it to their inaugural show last year, but this time I managed to make it fit in, so on September 2nd, I hopped on a plane from Spain for the show the following day. The show right away gave the impression of being well set up at the Hilton Edinburgh Airport. Along the main corridor of the convention area of the hotel, professional looking signage directed you to the various locations. Along the main corridor, but mainly in several meeting rooms, an array of nearly 30 vendors was set up. Several of them made a point of saying they were well looked after by the show organisation when I talked with them. In addition to the vendors, there was a demo room near the entrance, for the four demonstrations taking place throughout the day. The demos by Adam Wilder (who ran two!), David Parker and Lester Plaskitt were well received by attendees. The competition was located in two more meeting rooms further down the corridor. These were properly laid out, with white sheets covering the tables (same as for the vendors), and the tables put on raisers so it was easier to look at the models. Staff was always on hand in these rooms to ensure the safety of the models, and answer any queries. Lastly, in the courtyard a barbeque had been set up to provide a simple but tasty lunch for those who preferred this to the hotel restaurant. So, while initially the layout seemed slightly unconventional, I found that it actually worked very well, a testament to the people who made everything easy to find. The photos with the article are mostly from the competition, with a few from club tables as well.

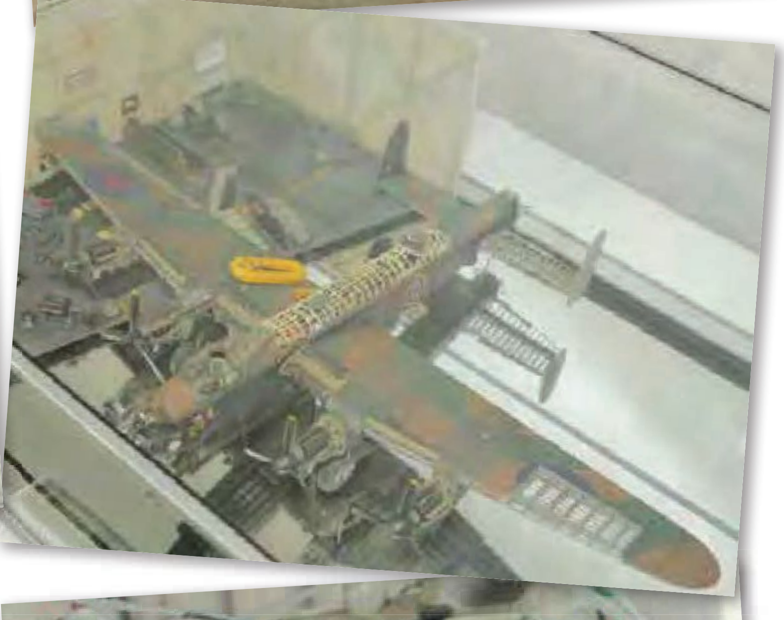
The atmosphere at the show was very friendly, with questions readily answered by the show organisation. I thoroughly enjoyed walking around, talking with vendors and visitors alike, checking out the demos and competition, and spending some money with those vendors. In great Scottish style, there was an optional whisky tasting after the show, run by Glenmorangie, which was awesome. Some food was provided beforehand; we tasted four different whiskies while listening to explanations from the representative of Glenmorangie, and had a great time.

In conclusion, the Scale Scotland show had a great combination of vendors, friendly hosts, high quality demos, and a worthwhile competition. It was a pleasure to visit, and I'll certainly try to go again next year. Highly recommended!

Master modeller Adam Wilder presenting his weathering workshop.

Coca-Cola

199
Competition Entry
BTR 60 P



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A TALE OF THREE WH

Abilio Piñeiro Grajera begins our trio of Whippets.

Designed by Sir William Tritton, the Medium Mk.A Whippet was intended to complement the slower heavy tanks, by using its greater mobility and speed to exploit any break in the enemy lines. Originally designated the Tritton Chaser, it was more commonly referred to as *Whippet*, a name attributed to Sir William himself.

The first prototype, with a turret from the Austin armoured car, was completed in February 1917. 200 vehicles were ordered, the initial production batch leaving the factory in the following October. In December, the order was increased to 385, but this was cancelled in favour of more advanced designs.

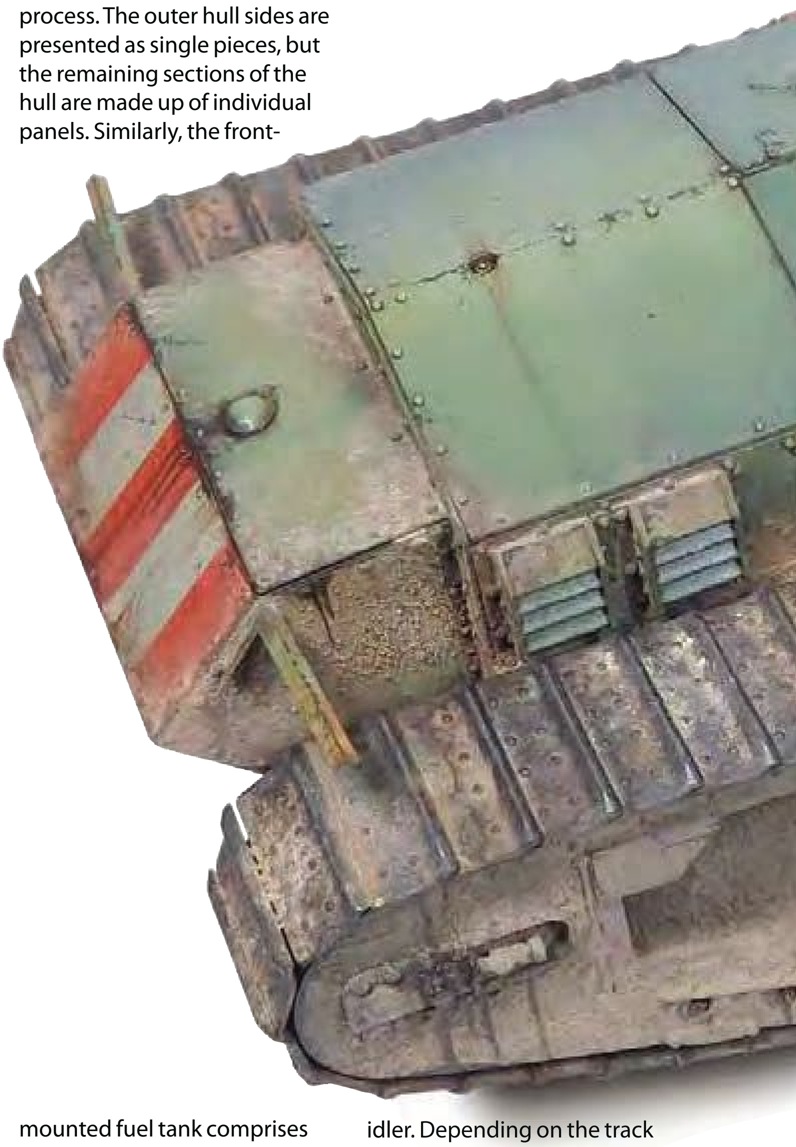
After the war, seventeen Whippets accompanied the British Expeditionary Force in support of the White Army in the Russian Civil War. Twelve of these were captured by the Red Army, who used them until the 1930s. A further number was sent to Ireland during the Anglo-Irish War, and formed part of the 17th Battalion, Royal Tank Corps.

The Kit

For many years, the only injection-moulded 1/35-scale kit of the Whippet was from Emhar, dating back to 1996. However, 2015 saw the release of two new versions: one from Meng Model, the other from Takom. Opting for the latter, my initial thought was that this is a fairly basic kit, lacking any interior details other than the four Hotchkiss .303 machine guns. A fully workable running gear is provided, though much of this is obscured once the tracks and outer hull panels are installed. The quality of moulding is excellent, with finely represented bolt-head/rivet detail, and most of the ejection-pin marks being concealed after assembly.

The kit comprises 312 injection-moulded components, 32 photo-etched parts, individual-link snap-fit tracks, and a decal sheet providing markings for no less than eight examples. Assembly instructions are by way of a series of clearly presented diagrams, and are accompanied by painting/marking schemes for WWI British and captured German vehicles, together with four from the inter-war period.

I found the construction to be relatively straightforward, aligning the hull parts being the most demanding aspect of the process. The outer hull sides are presented as single pieces, but the remaining sections of the hull are made up of individual panels. Similarly, the front-mounted fuel tank comprises five panels with a fuel cap and appropriate rivet detail. While the inclusion of photo-etched front fender supports adds finesse to the completed model, particular care is required once these are fitted (I actually broke mine several times during the painting process). The running gear includes no less than 74 road wheels. There are four types, so it is important to identify these before fitting. Each side has five return rollers, a drive sprocket and an idler. Depending on the track tension preferred, the idlers can be fitted in a choice of three positions. While there are traces of flash on the outer parts of the track links, the snap-fit design certainly makes life so much easier during assembly.

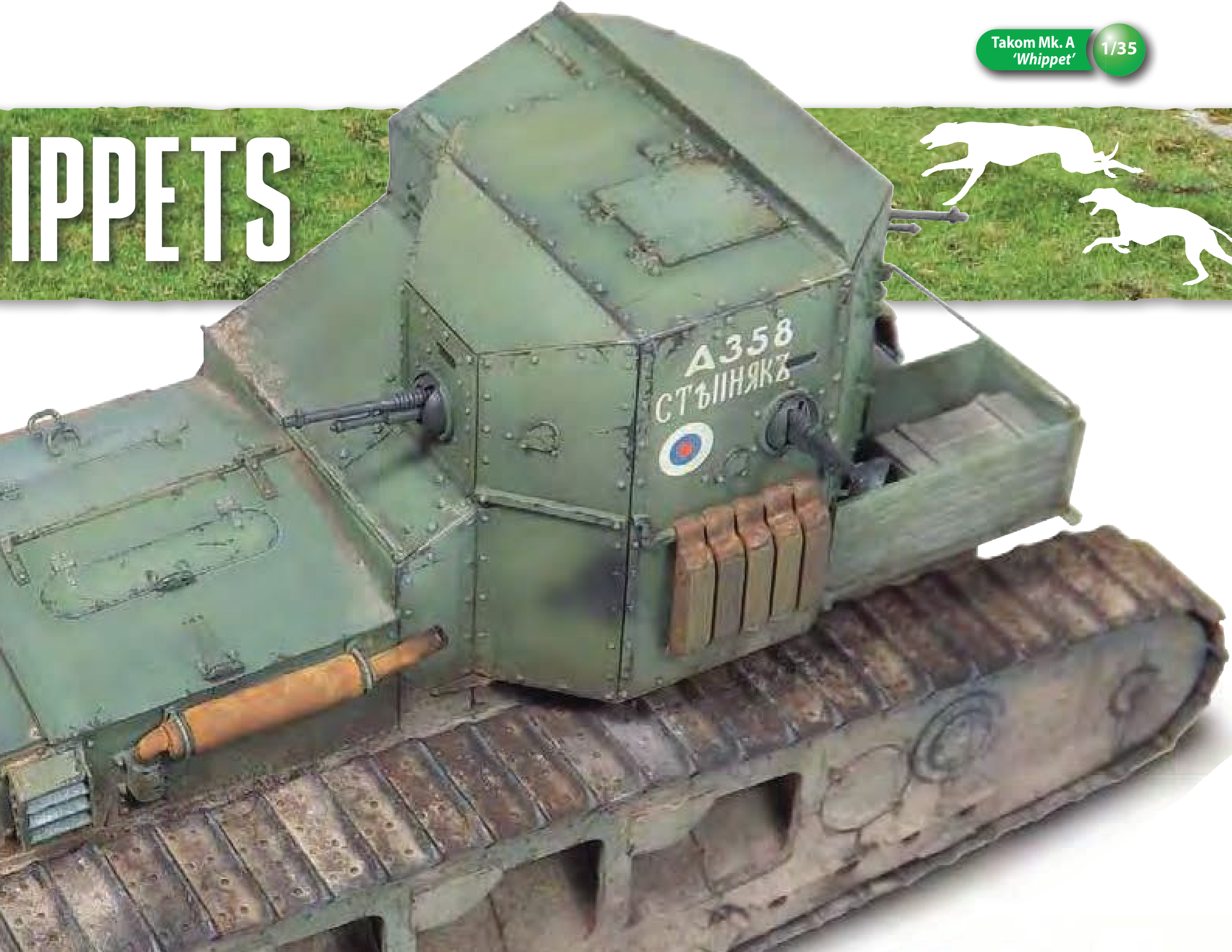


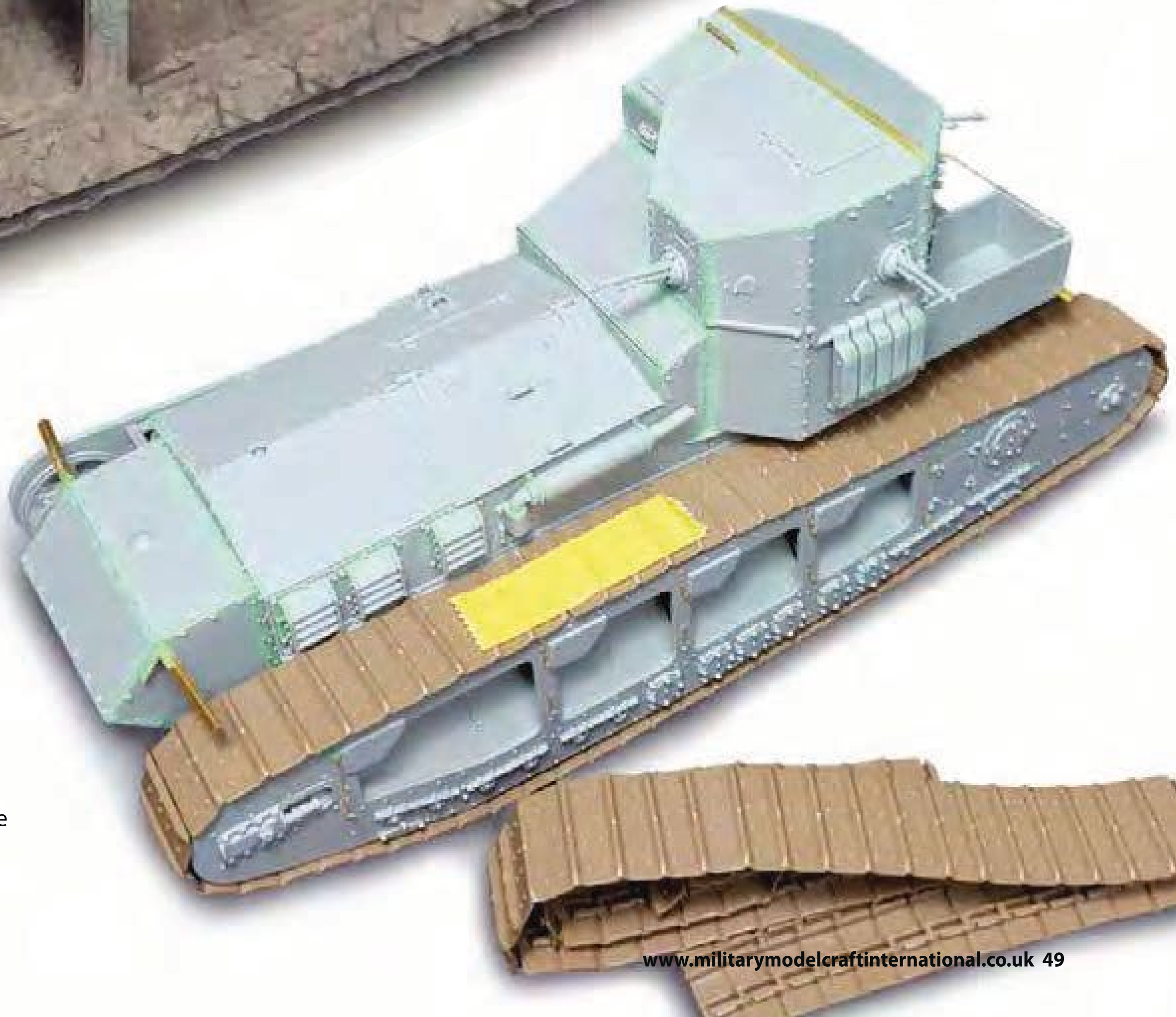
The Takom Whippet contains some highly detailed parts, such as the running gear, but the parts count is manageable by the standards of some other manufacturers.

Painting

From the outset, my intention was to depict the model as a heavily weathered vehicle from the Russian Civil War. The particular example was named 'Сфинксз' (translated

IPPETS

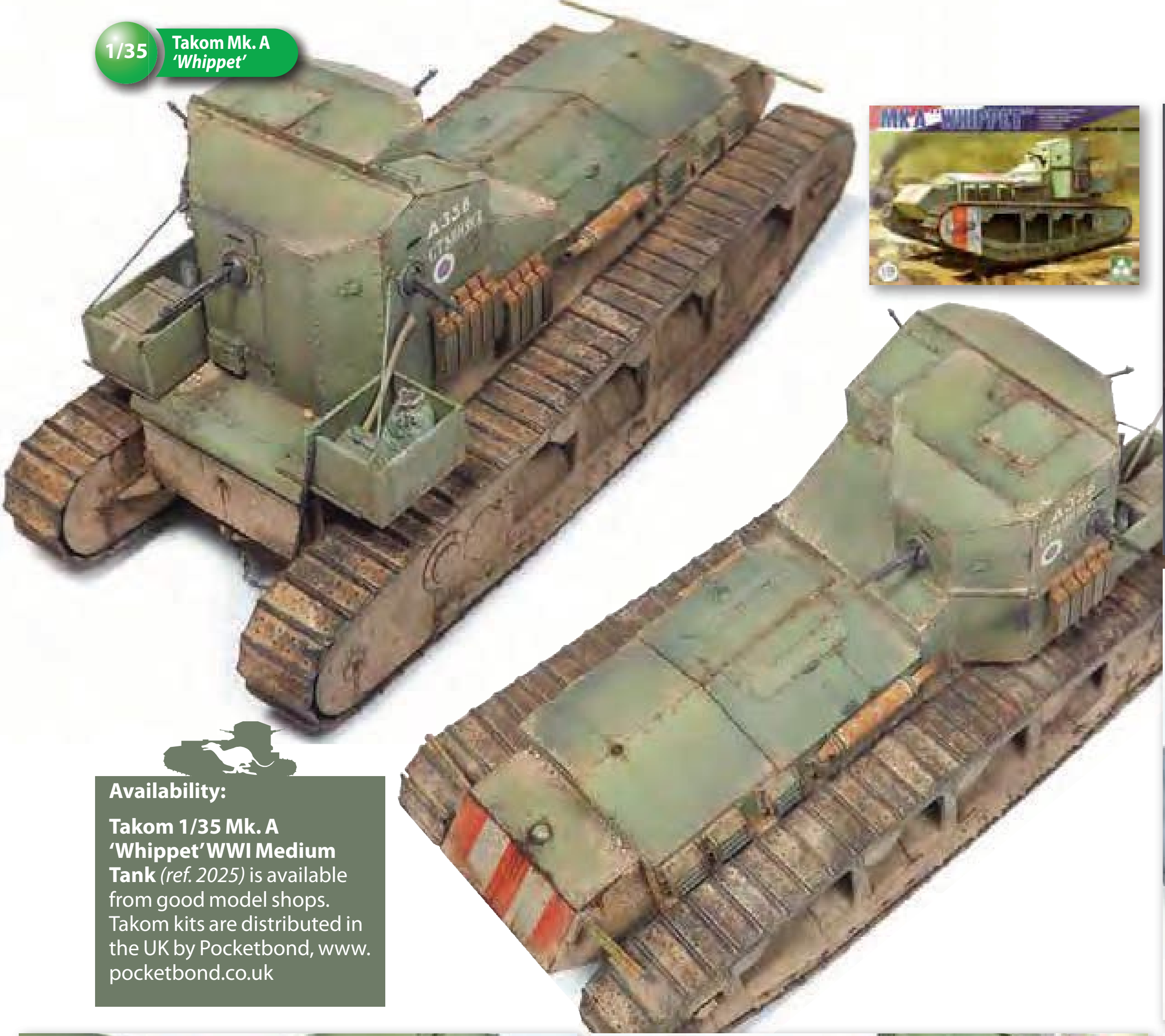




2

The assembled model taking shape. The individual link tracks are very nice and their snap-fit design makes assembly easy.

as 'Sphinx'), and served with the White Army's 2nd Tank Detachment in southern Ukraine. Unfortunately, the few photographs of White Army Whippets offer very little in terms of colour schemes, so the best I could aim for was an educated guess.



Availability:

Takom 1/35 Mk. A 'Whippet' WWI Medium Tank *(ref. 2025)* is available from good model shops. Takom kits are distributed in the UK by Pocketbond, www.pocketbond.co.uk

3

6

8

To achieve hard edges where necessary (in particular, shadows and highlights), I used a piece of cardboard as a simple mask. Bolt heads, rivets, hinges and other smaller details were brush-painted with an even-lighter shade of green. Again, the contrast would be toned down during the weathering stage.

9

A couple of coats of acrylic gloss varnish were applied in preparation for the decal markings.

10

Decals were applied with the help of Microscale's Set & Sol. A coat of matt varnish hid any tell-tale 'silvering' around the edges of the markings. Once completely dry, I applied a further coat of gloss varnish.

12

I was unsure about the marking on the front of the vehicle, so decided not to add this. The next step was to apply the red and white stripes, with the help of Tamiya masking tape.

13

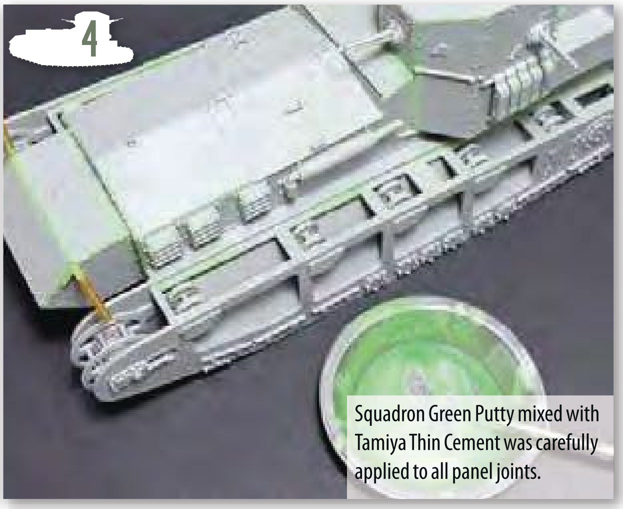
Attempting to achieve an opaque red over the green base-colour would be very difficult, so I first applied white to the entire area . . . a much better result.

14

To create the impression of faded paintwork, I used the currently popular 'oil spot' technique.

The part-assembled model. Thankfully, internal guides ensure correct alignment of the hull panels.

4

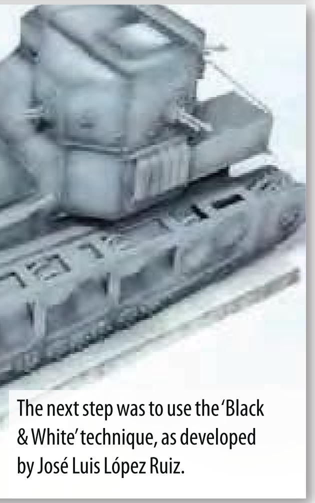


Squadron Green Putty mixed with Tamiya Thin Cement was carefully applied to all panel joints.

5

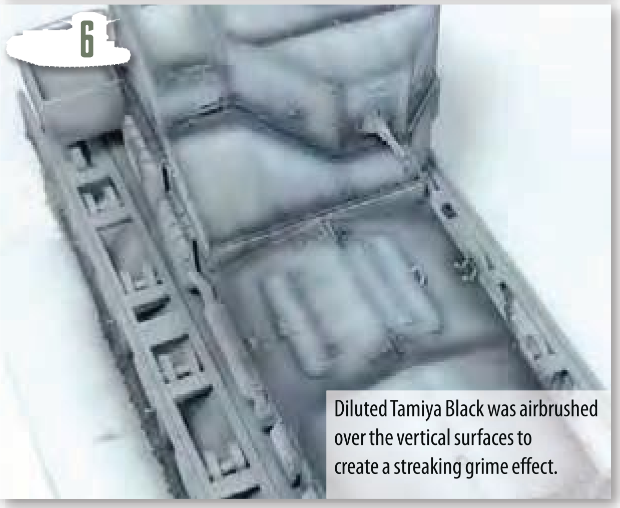
THINNER
PRIMER

The painting sequence began with several thin coats of heavily diluted Grey Primer. Any surface imperfections were then dealt with using a 3M ultra-fine sanding stick.



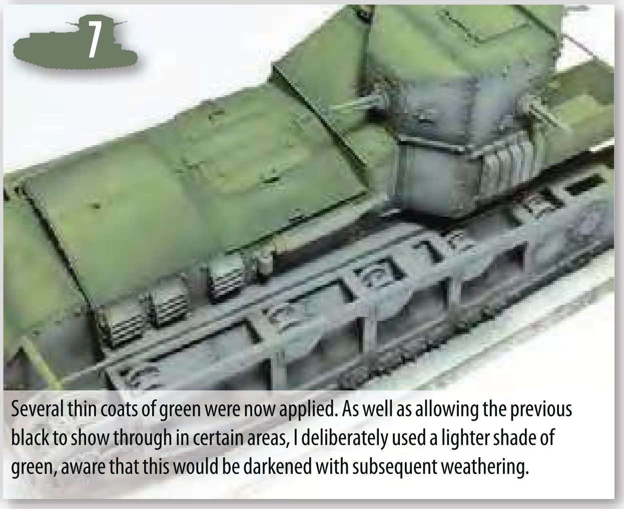
The next step was to use the 'Black & White' technique, as developed by José Luis López Ruiz.

6



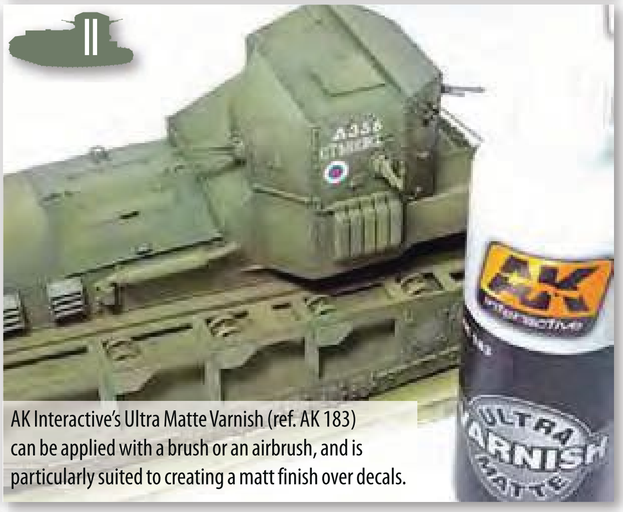
Diluted Tamiya Black was airbrushed over the vertical surfaces to create a streaking grime effect.

7



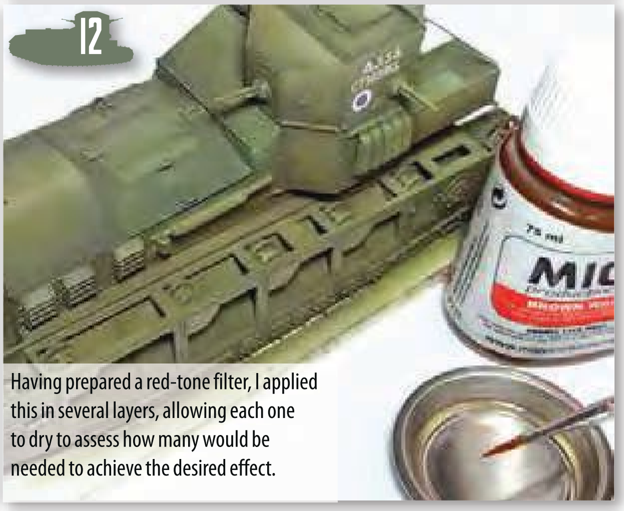
Several thin coats of green were now applied. As well as allowing the previous black to show through in certain areas, I deliberately used a lighter shade of green, aware that this would be darkened with subsequent weathering.

11



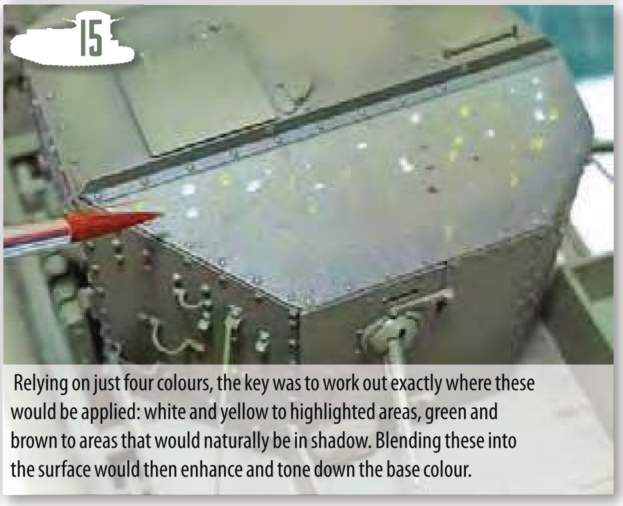
AK Interactive's Ultra Matte Varnish (ref. AK 183) can be applied with a brush or an airbrush, and is particularly suited to creating a matt finish over decals.

12



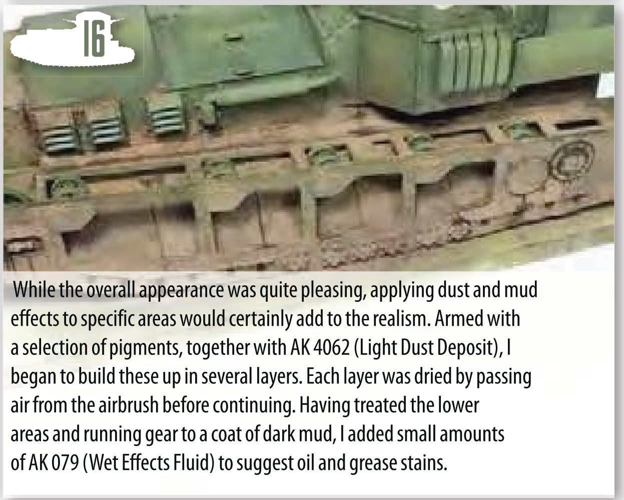
Having prepared a red-tone filter, I applied this in several layers, allowing each one to dry to assess how many would be needed to achieve the desired effect.

15



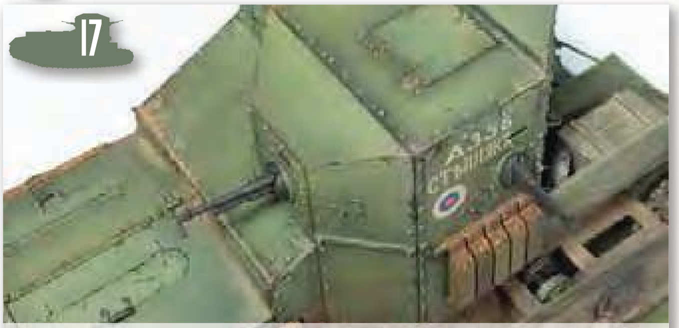
Relying on just four colours, the key was to work out exactly where these would be applied: white and yellow to highlighted areas, green and brown to areas that would naturally be in shadow. Blending these into the surface would then enhance and tone down the base colour.

16



While the overall appearance was quite pleasing, applying dust and mud effects to specific areas would certainly add to the realism. Armed with a selection of pigments, together with AK 4062 (Light Dust Deposit), I began to build these up in several layers. Each layer was dried by passing air from the airbrush before continuing. Having treated the lower areas and running gear to a coat of dark mud, I added small amounts of AK 079 (Wet Effects Fluid) to suggest oil and grease stains.

17



I recreated damage to the vehicle's paintwork, using AK 711 (Chipping Color) to replicate deep scratches and chips. The important point here is to avoid overstating the effect; a piece of sponge is very useful when attempting to cover a large area. A dark pin-wash was now brushed into all crevices, panel lines and weld seams. After about ten minutes, any excess was removed using a cotton bud moistened with thinners.

A358
СТЪННЯКЪ

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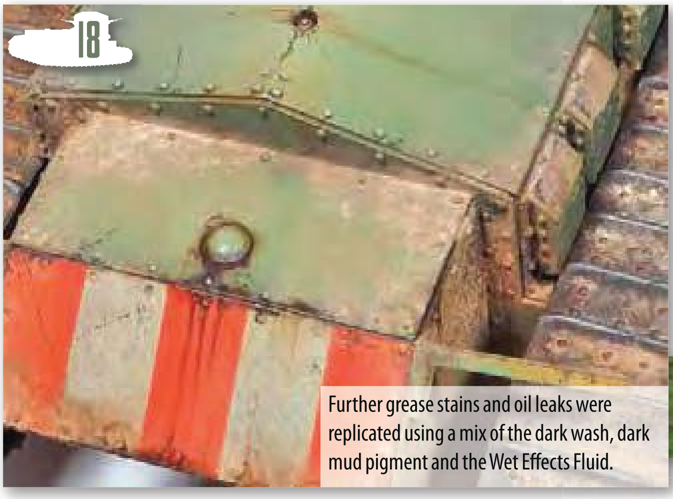

Further grease stains and oil leaks were replicated using a mix of the dark wash, dark mud pigment and the Wet Effects Fluid.

19

Preparing the tracks took about thirty minutes, and I was ready to give them a coat of primer.

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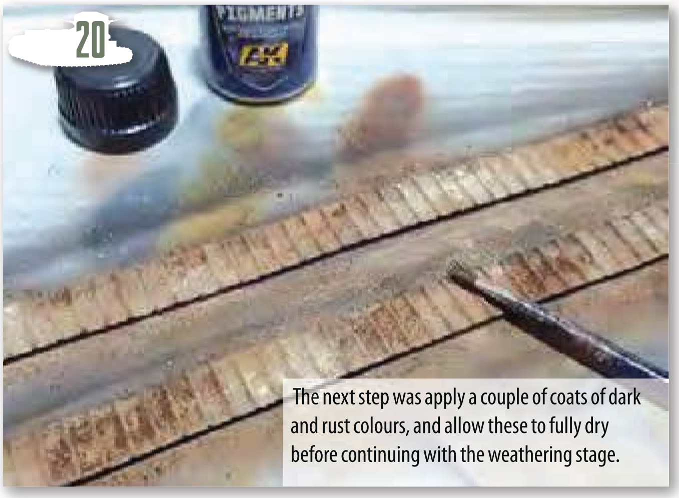

The next step was apply a couple of coats of dark and rust colours, and allow these to fully dry before continuing with the weathering stage.

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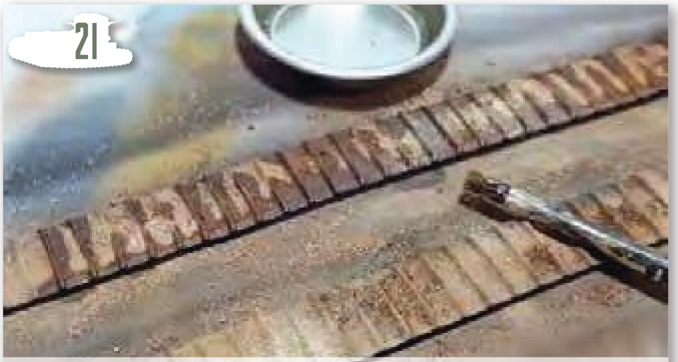
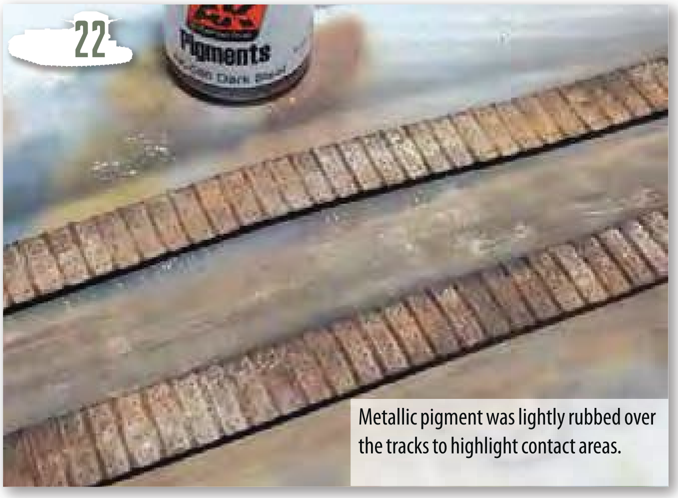
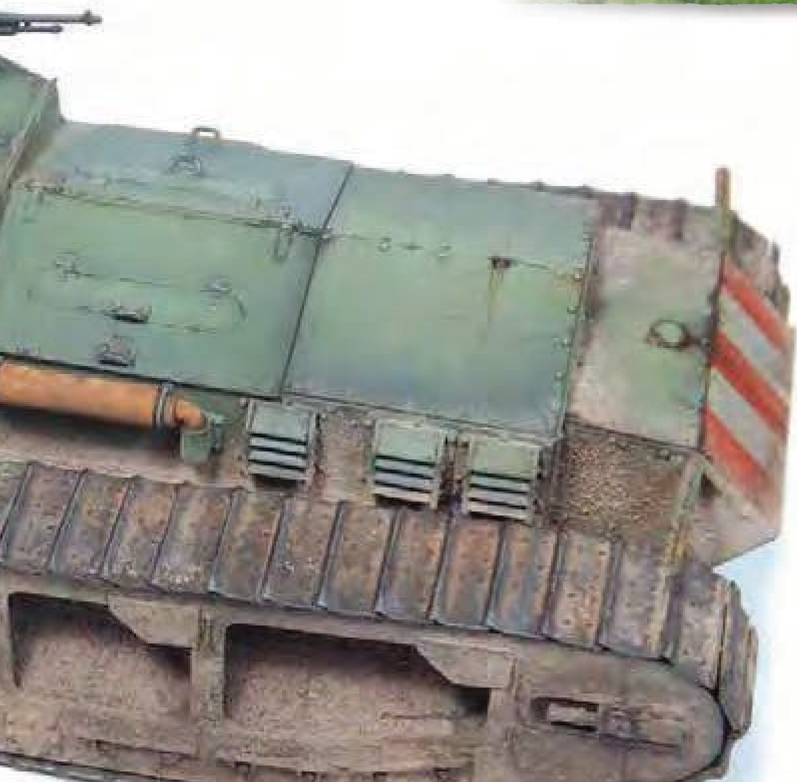


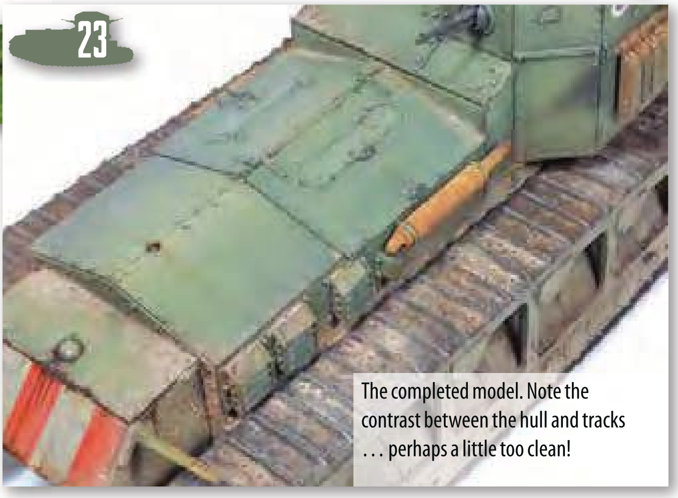
Various pigments were randomly applied to the tracks, and sealed with Pigment Fixer. To avoid disturbing the pigments, I simply allowed the liquid to drop onto the surface, and relied on capillary action to do its job. Once this had dried, I mixed small amounts of oil colour with the Pigment Fixer, and added this to reinforce the effect.

22



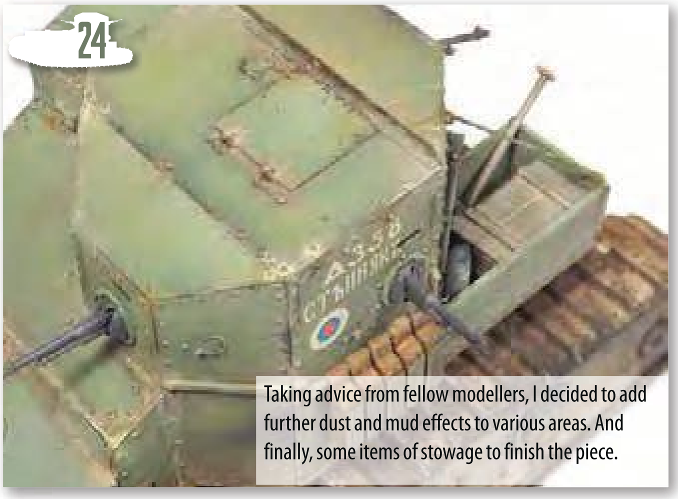
Metallic pigment was lightly rubbed over the tracks to highlight contact areas.





23

The completed model. Note the contrast between the hull and tracks . . . perhaps a little too clean!



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Taking advice from fellow modellers, I decided to add further dust and mud effects to various areas. And finally, some items of stowage to finish the piece.

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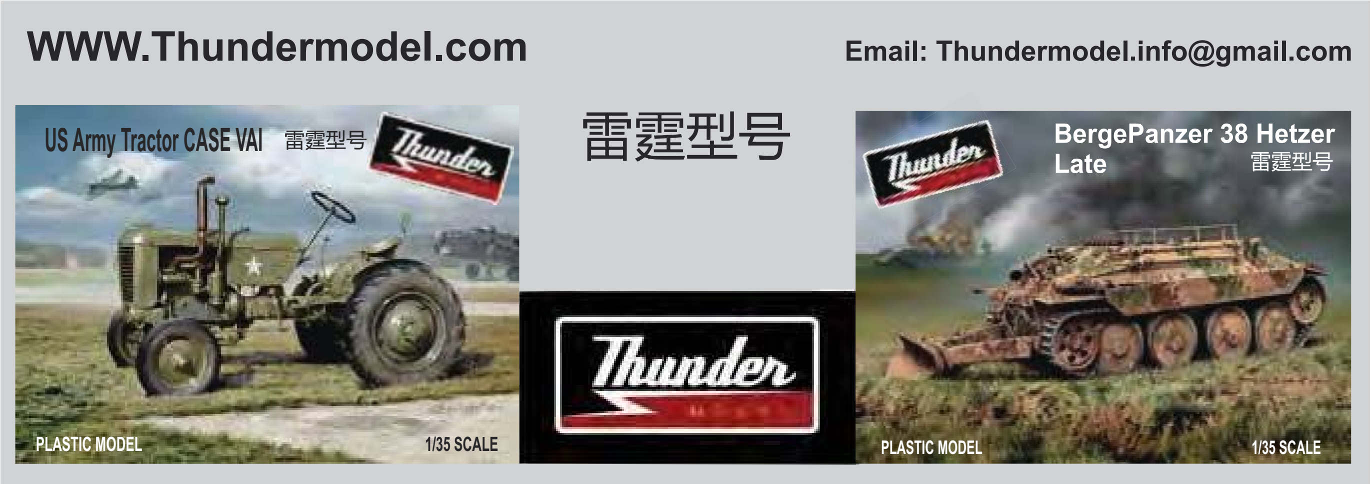

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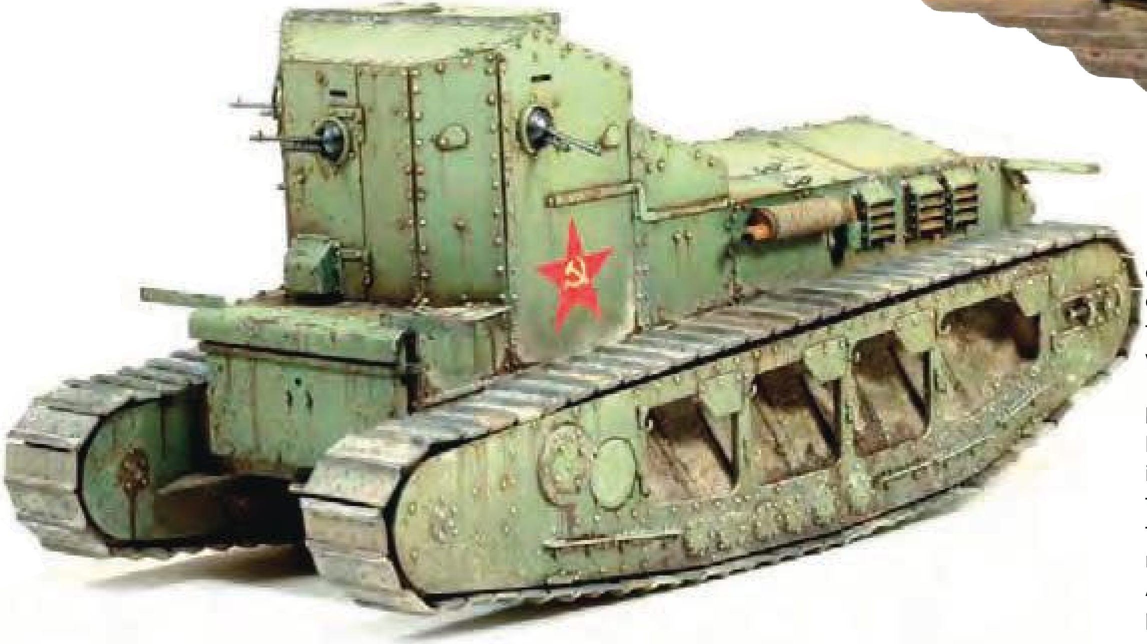
RUSSIAN WHI

Kristof Pulinckx tackles the second of this month's Whippets.

It's been 100 years since the first tanks saw action, and World War I subjects are nowadays very popular among modellers. I have been reading a lot of good comments about the **Meng Whippet** so I decided to have a go. I wanted to build this straight from the box and there isn't actually a lot you can improve. This says all about the quality of the modern day kits. However, since these kits are so popular I decided to take a different approach and not to build a British Whippet but one in Russian service as the UK sold a number of these tanks to Russia.

Building

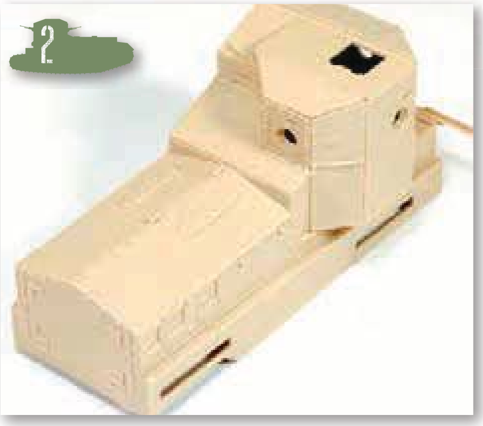
As mentioned before this model will be build straight from the box and as it turned out it was a pretty fast and straightforward build. The fit of the parts is excellent, but the odd shape of the fighting compartment must be handled with care to avoid any fit issues. The best way to handle this is to glue everything in one go with the roof as a guide. Take your time for this and I'm sure it will work out fine. The rest of the model was assembled pretty fast, I think I spent only about ten hours on the complete build! The tracks are a pleasure to work with. After cleaning up you just need to click them together. The only modification done to the model were to replace the handle to start the engine. This was not because it's wrong, but because it's quite fragile and I broke the original part while cleaning up the mould seams. The machine gun were drilled out with a 0.3mm drill and both exhausts received a layer of wire to represent the fact that this was done on most Whippets.



Painting

I aimed to to paint the Whippet in a 'modulation' style, not taken to the extreme but just enough to notice the technique. The model was first pre shaded with AK030 Dark Base from the 4BO paint set from AK-Interactive.

1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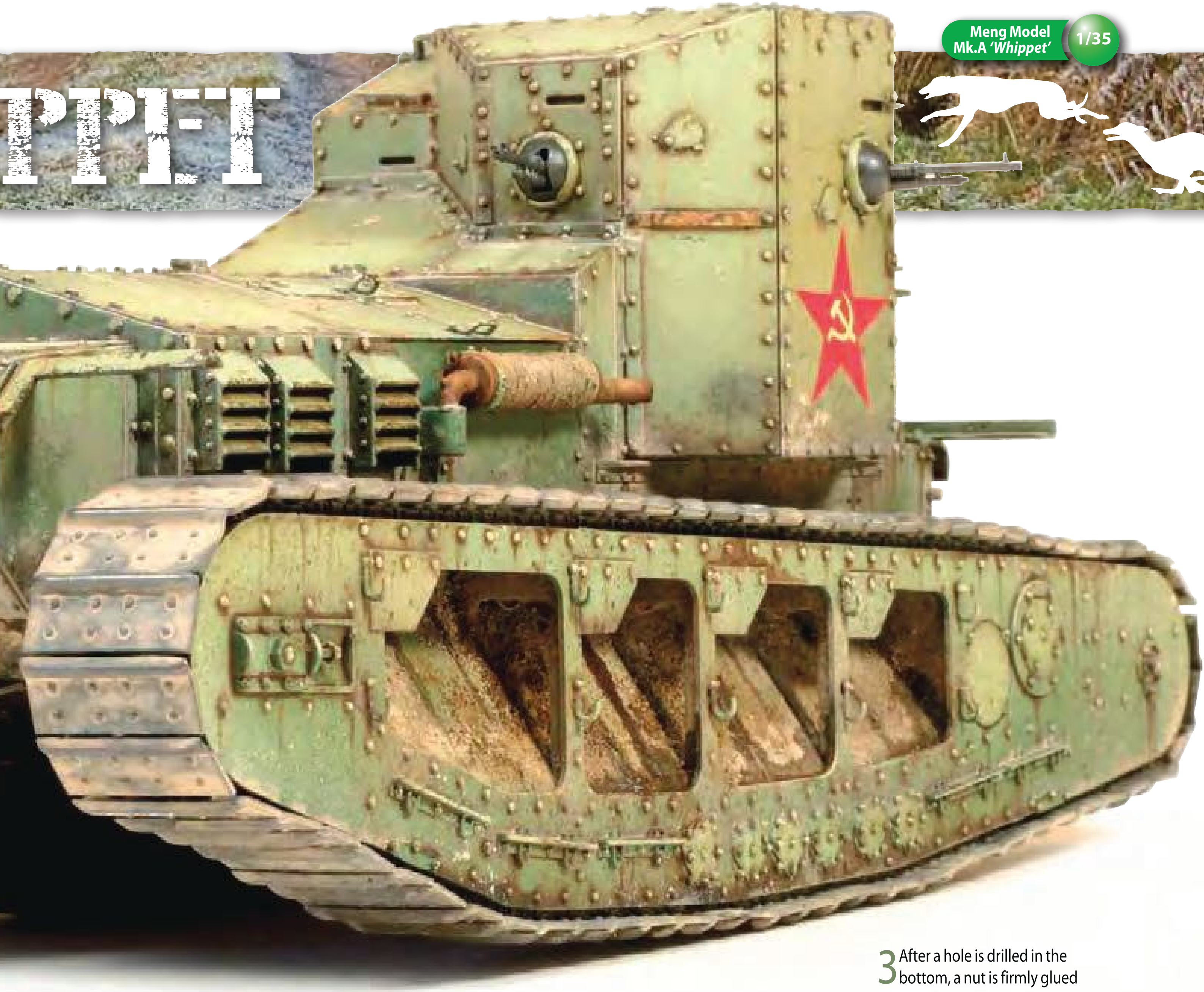


Next the model was completely covered with a thin layer of AK746 4BO Russian Green so the dark green still shone through. Next it was time to apply the modulation technique. I used Post-It notes to mask the areas that should not be painted. Post-It notes are low tack and are thus ideal for this as they do not harm the freshly applied paint. AK's 032 Light base from the 4BO paint set was used in this step. Finally I used AK 033 and 034 to highlight some details like the hinges and small hatches.

The tracks were painted in AK722 Track Colour and put aside to dry thoroughly. On the model itself I applied the decals, these are just two typical Russian red stars. I first cut off the transparent carrier film before applying the decal. After drying overnight the model's paint job and decals were protected with a layer of satin varnish so it will be ready for the next phase.

1 The fighting compartment is made out of several parts and it's recommended you use the roof as a guide to make sure everything fits properly.

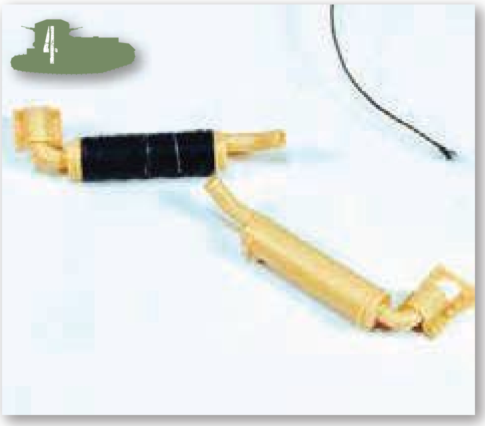
2 The assembly of the main hull goes pretty fast, just don't forget dryfitting to avoid fit issues.

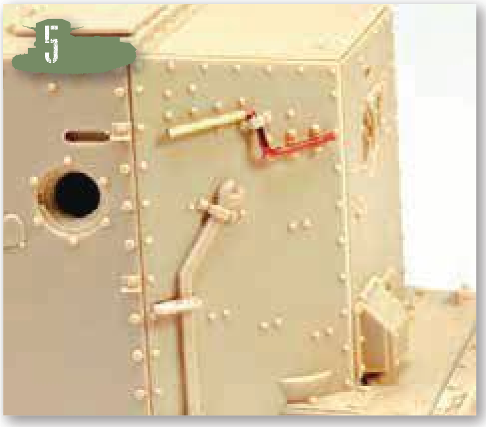
3 After a hole is drilled in the bottom, a nut is firmly glued over the opening which we will later use to attach the model to the base with a screw.

4 Some fine wire was turned around the exhausts. This was done in reality as well for heat protection.

5 The starter crank was replaced by a homemade version as I accidently damaged the kit part.

6 The tracks are easily cleaned up and just snap together and stay workable, a nice example of engineering from Meng.





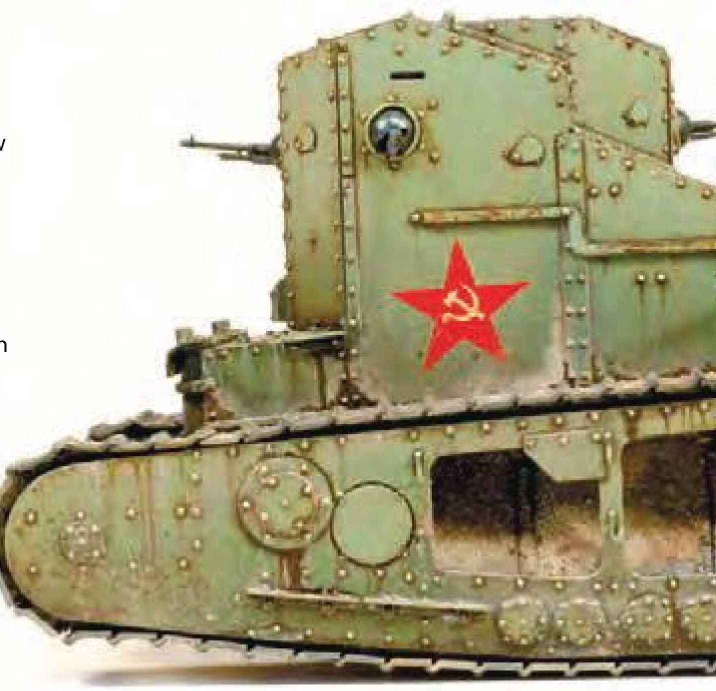
Track assembly goes fast; in less than an hour, the tracks are cleaned up and mounted to the model.

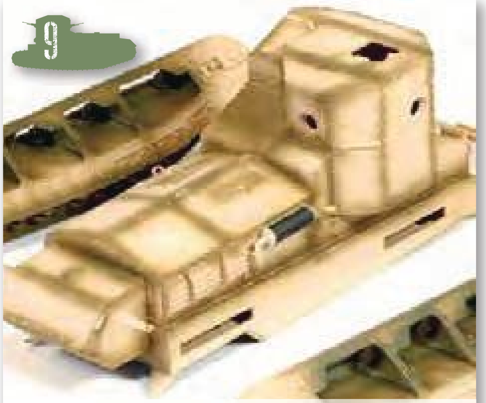
Very carefully the machine guns are drilled out using a 0.3mm drill.

Weathering

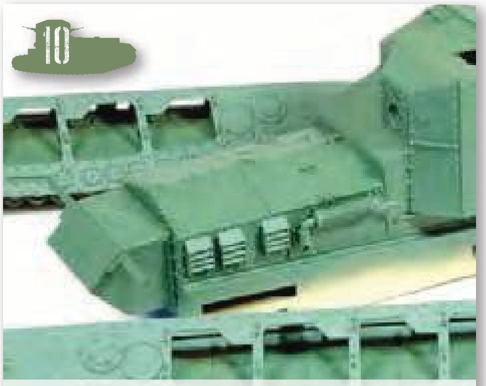
I started by adding shadow to the model and a oil paint perfect suitable for this task is Shadow Brown from 502Abt. This paint was thinned with White Spirit and applied in and around every detail as a pin wash. After 10-15 minutes of drying time the excess paint is removed with a small flat brush and Matt Effect thinner. This thinner will make sure the oil paint dries out flat, as oil paint can dry out a with an annoying sheen due to the oil, this can be especially the case when you use brand new tubes of oil paint. When the oil paint is dry I began to apply the light superficial scratches and paint chipping. This was done with a mixture of 728 and 033 acrylic colours from AK Interactive. Most of these scratches and chippings will be partly covered with AK711, the chipping colour, as this creates a nice 3D effect. Of course, this dark brown chipping colour is also used on its own, especially in areas where the crew mounted the vehicle and causes heavier wear and tear.

To represent accumulated dirt and grime I again reached for the oil paints. These were applied directly from the tube in selected areas and left to dry. I mostly employed light and dark earth tones in this stage. After 30 minutes drying the oil paints were blended in with a small flat brush moist with thinner. It's important here that the brush is moist not wet as a wet brush would remove most of the paint instead of blending it in. The side sponsons were then covered with several

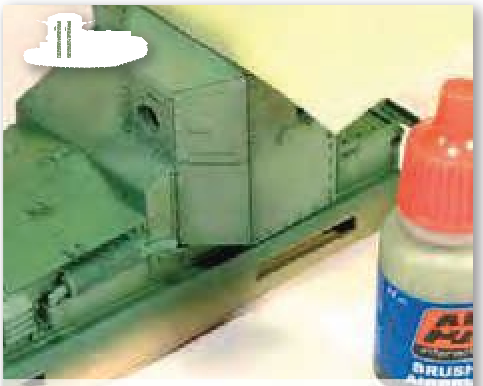




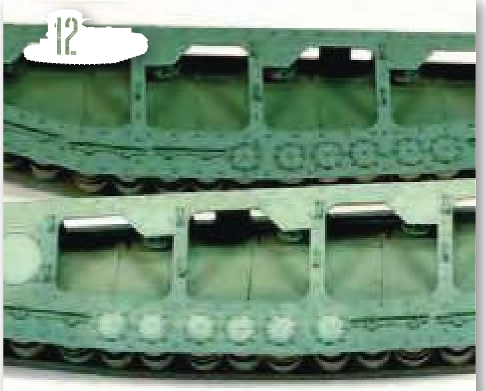
The panel lines are preshaded with AK 030 Dark base.



AK 746 4BO Russian green serves as the basecoat, it's sprayed on in a thin layer in such a way the darker shadow colour applied earlier still shines through.



With the help of Post-it notes the modulation effect is sprayed on. Post-it notes have a very low tack and are thus ideal for this as it won't hurt the fresh paint earlier applied.



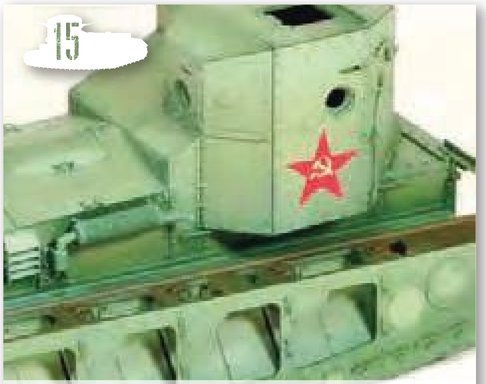
The difference between the base colour and modulation technique is quite obvious here.

For the modulation effect these four colours from the 4BO paint set are used. The difference between each colour is subtle and you have to build up the effect working from dark to light tones

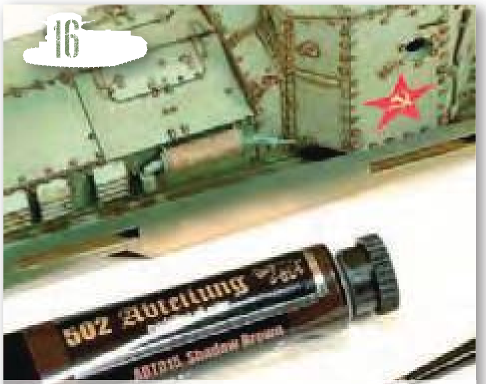
The tracks are sprayed in AK's Track Colour which is a dark rusty brown colour which will form the perfect base for the upcoming weathering.

earth tone pigments that were applied dry and then permanently fixed in place with pigment fixer. After the pigments have dried, you can speed up the process with a hair dryer, I then applied wet streaks over the pigments. You can either use the wet Effects from AK Interactive on its own or you can mix it with a dark brown colour as I did in this case. The reason for this is to get more contrast in the colours. The same was done for the oil streaks.

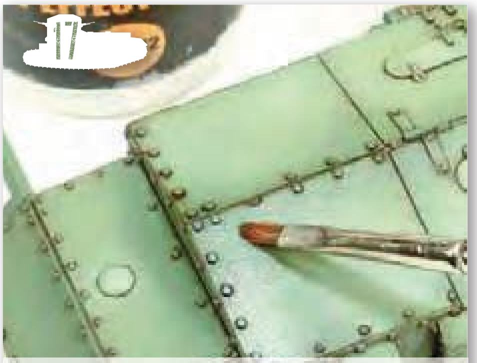
When all the 'basic' weathering was done it's time to add more contrast, and something very handy to get contrast in your weathering is to apply dust effects. Light dust coloured oil paints like Light mud and Buff from 502Abt were used to outline most of the model again and thus creating dust effects. Don't do it on the whole model but only in selected areas were dust would accumulate. With the same colours, but also with our shadow colour, I then painted on streaks, variation in colour is key to get the best effects. Finally, more dust effects are applied with pigments in some very selective areas. These pigments form a perfect base to apply further wet effects. The pigments absorb much of the AK079 Wet Effects which in their turn will darken the treated areas and create some very realistic wet stains. The tracks were then mounted on the model and given a wash of Dark Earth, Middle East Soil and European Earth pigments mixed with Pigment Fixer. When dry the contact areas of the tracks were drybrushed with AK 457 Steel Metal Wax which can be polished into a really nice and realistic bare metal colour.



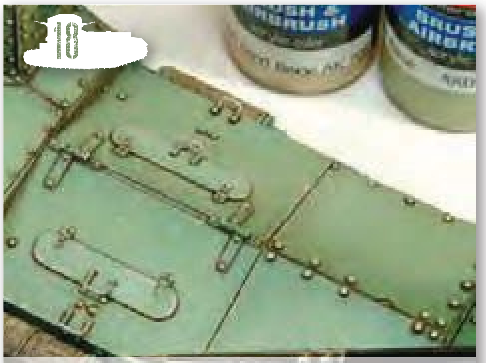
On each side the large Soviet star decals are applied and when dry sealed with a coat of satin varnish to protect the paint and the decal from the effects of weathering.



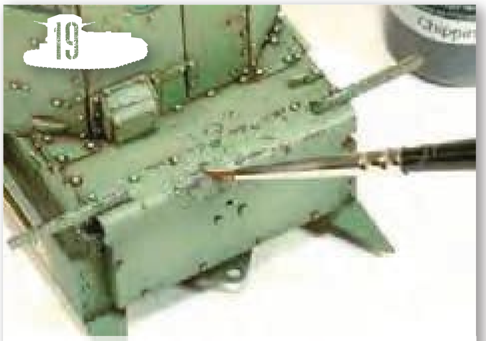
Shadow Brown from 502 Abt is used to outline the details and create shadows. The oil paint is thinned with White Spirit and applied around the details.



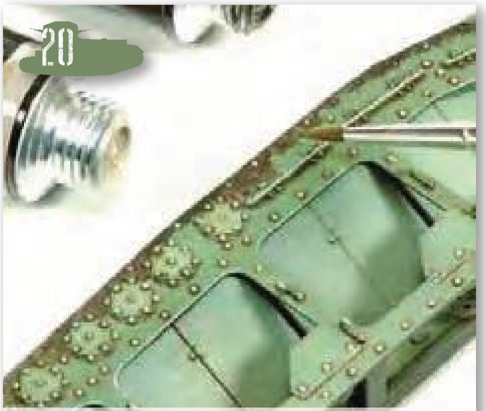
The excess paint is then removed with a flat brush and Matt Effect Thinner from 502Abt to make sure the oil paints will dry out flat. When this process is completed your model will look totally different.



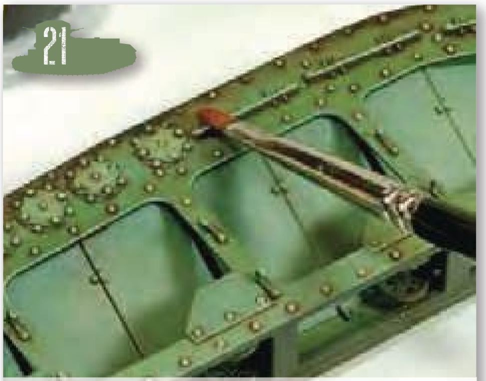
Fine chipping and scuff marks are painted on with a fine brush. We made a very light tone of green by mixing AK 728 German Sand Beige with AK 033 Light base. The rivets and other small details are also highlighted using this mixture.



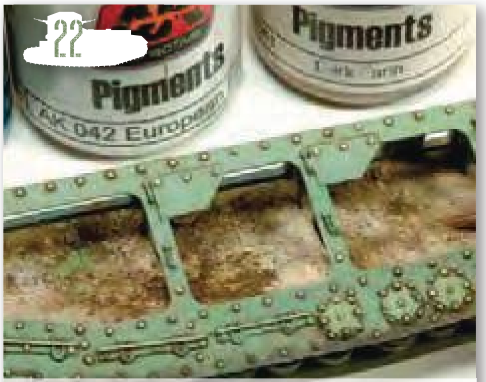
For the more casual chipping thus the heavier damage to the paintjob we use AK's 711 chipping colour which is a perfect colour for this task. Most of the earlier applied light green chippings are partly covered with the chipping colour to create a nice 3D effect in the chipping.



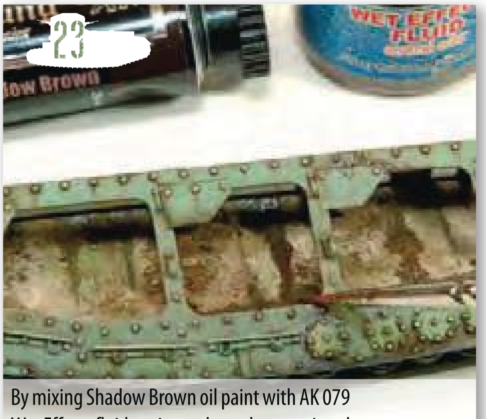
Light Mud and Shadow Brown Oil paint is applied directly to the model to represent accumulated dirt.



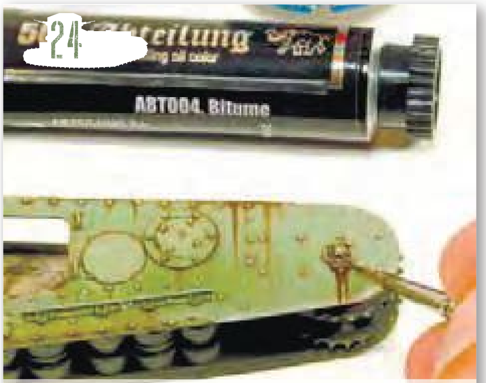
After some drying time the oils are blended in with a moist brush to have a nice smooth transition between the 'dirt' colours and the green base colour.



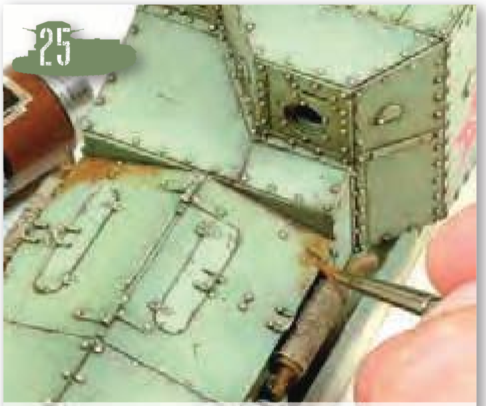
Several earth tone pigments are used to represent the dirt and sand collected on the suspension units. The pigments are applied dry and then fixed in place with pigment fixer.



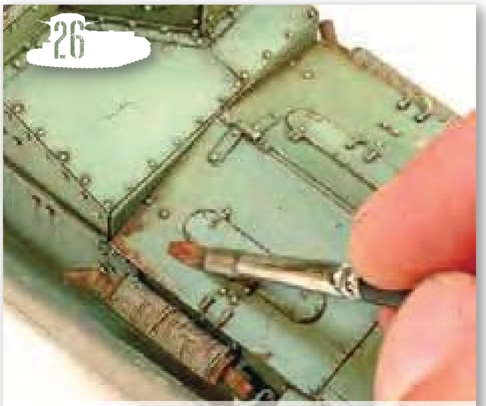
By mixing Shadow Brown oil paint with AK 079 Wet Effects fluid, stains and streaks are painted on to create more effects in the pigments.



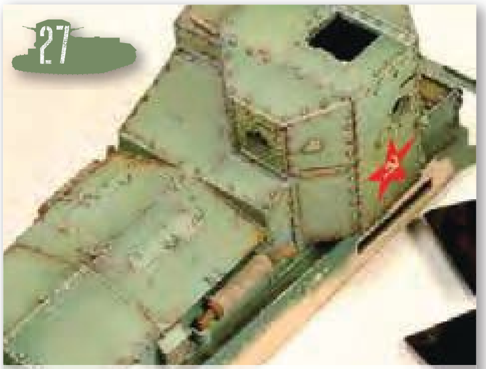
Oil leaks and spills are painted on by also mixing oil paints with the Wett Effect fluid, in this case we used Bitume from 502Abt to have an oil like colour.



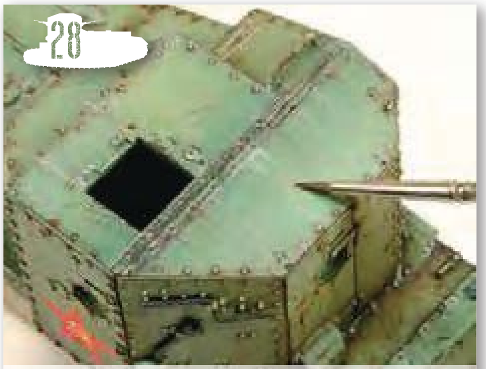
Very light rust effects are applied by painting on a thin layer of Burnt Umber oil paint directly from the tube.



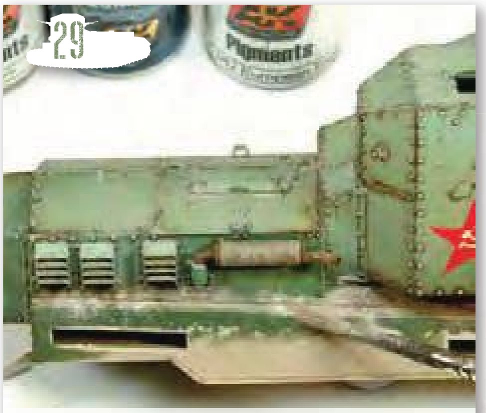
After some drying time the oils are blended in with a brush moist with Matt Effect thinner from 502Abt.



Light Mud and Buff oil paints are used for the dust tones. The model is partly outlined again with these colours to create a nice contrast between the base colour and the dark shadow colours.



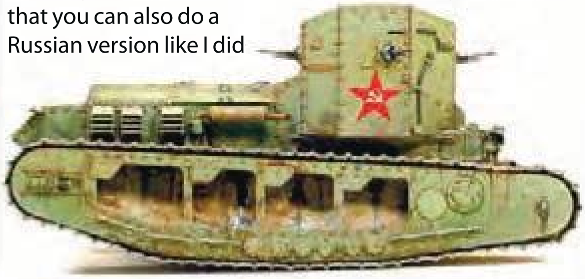
Streaks and rain marks are carefully painted on with dark and lighter oil paints which we thinned with White spirit. It's important here is to use different colours to avoid a boring look. Variation is key!



The same pigments used earlier are used again to simulate the accumulated dirt on the hull.

Conclusion

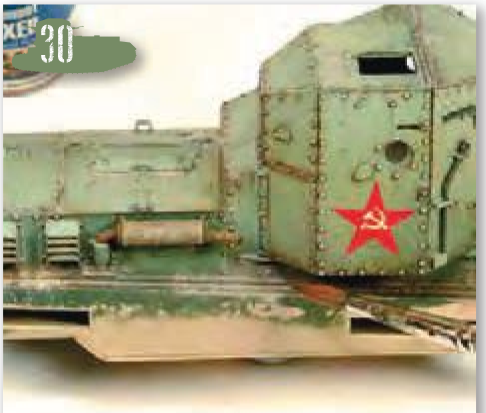
Meng's nice little Whippet is a pleasure to build; the assembly is fast and straightforward. Most modellers will opt for the typical British version but it's good to know that you can also do a Russian version like I did or a German version as the decals are provided in the kit. Whatever version you will choose you will certainly notice that it's one of the easiest kits to build and this will make it very popular among modellers.



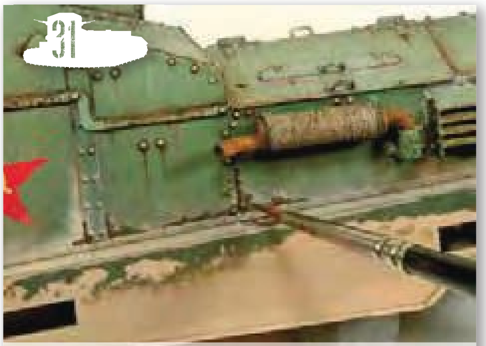
Availability:

Meng Model 1/35 Mk. A *Whippet* British Medium Tank *(ref. TS-021)* is available from all good model shops.

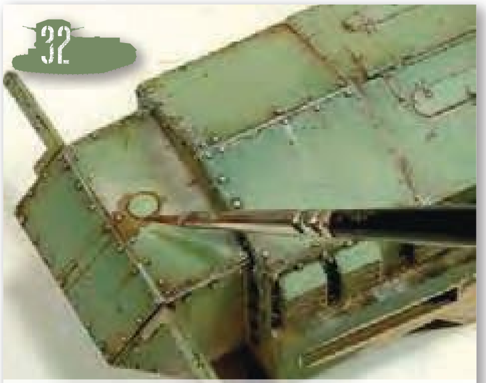
Mk.A WHIPPET
BRITISH MEDIUM TANK



As before, these are fixed with the pigment fixer.

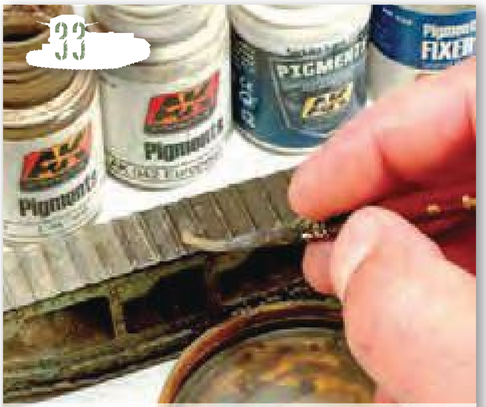


When dry we can again apply wet effects with the mixture mentioned earlier. These gives a nice and realistic contrast between the light pigment tones and the darker wet stains and streaks.



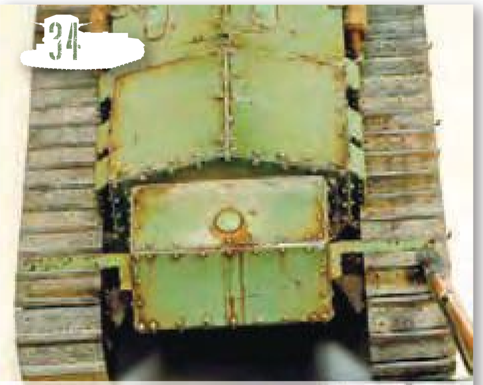
AK's Track Rust pigment is mixed with Fuel Stains to tone down the glossy effect of the Fuel stains. This is done to represent older, dryer stains.

33



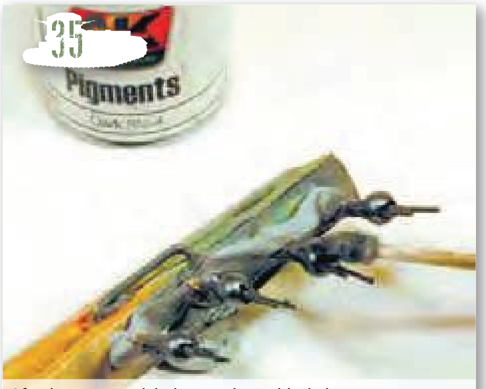
The tracks are covered with a mixture of again our earlier used pigments mixed with Pigment Fixer.

34



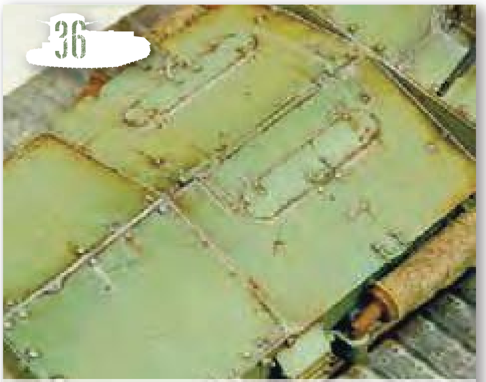
When the pigment wash is dry the parts of the tracks that have friction with the ground are polished with AK 457 Steel Metal Wax.

35



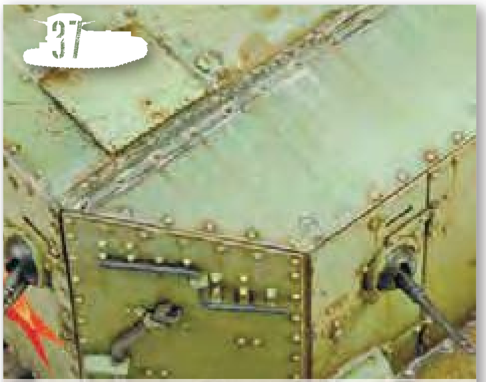
After been painted dark gray, almost black the machine guns are polished using dark steel pigment that we apply with a cotton stick.

36



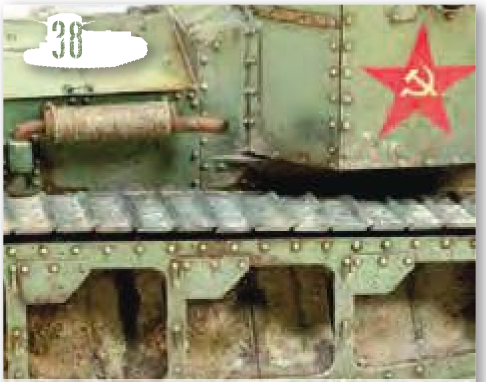
The dark brown and light coloured weathering effect work nicely together and result in a nice contrast. It also tones down the modulation effect.

37



A combination of weathering with oils, pigments and wet effect give a very realistic result. Each of these media can be used together to create multiple effects.

38



The grainy look of the pigments contribute to a realistic effect. Never use just one pigment colour but always use different tones, light and dark to achieve the most realistic results.

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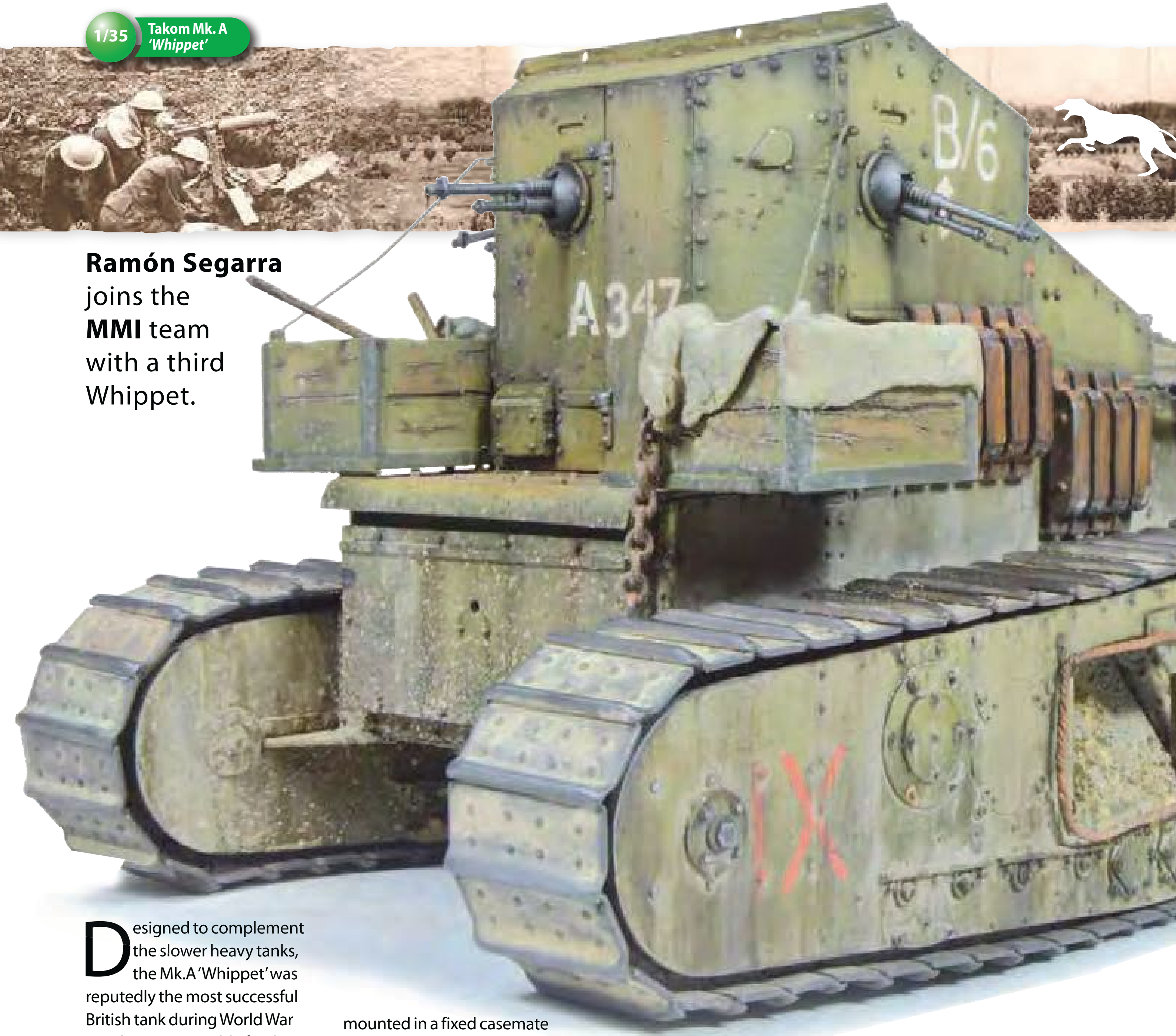
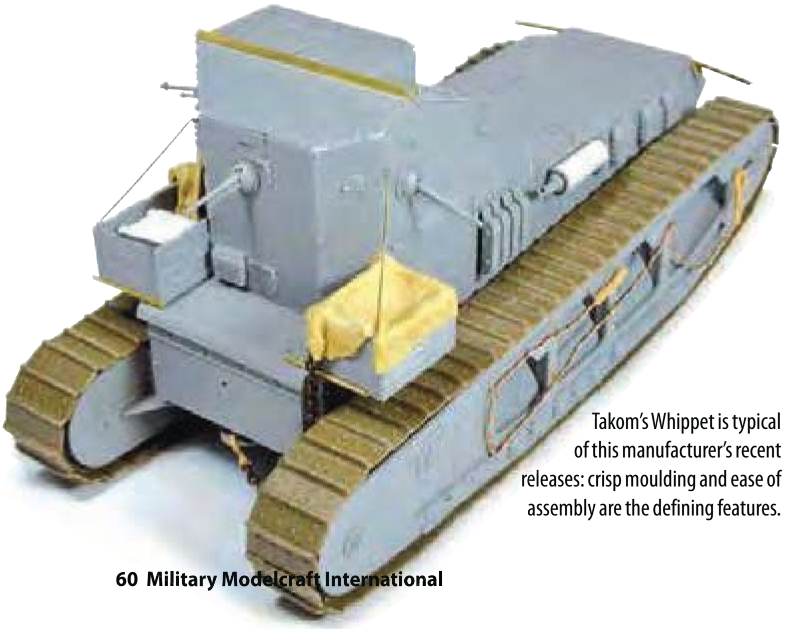


Ramón Segarra joins the **MMI** team with a third Whippet.

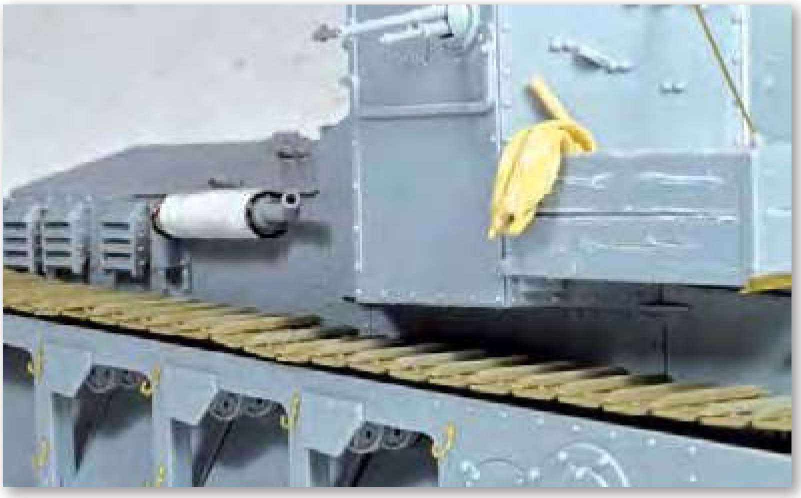
Designed to complement the slower heavy tanks, the Mk.A 'Whippet' was reputedly the most successful British tank during World War I, and was responsible for the greatest number of German casualties than any other tank during the conflict. Armament consisted of four 7.7mm Hotchkiss machine guns, mounted in a fixed casemate located at the rear of the vehicle. Power was provided by two front-mounted engines, identical to the type used by the London double-decker 'Imperial' buses, but required a complex steering system. The track skirts incorporated mud chutes, an ingenious design to prevent the tracks and wheels from being blocked by mud and debris. However, although the design of its tracks was more advanced than other British tanks (from Mk.I to Mk.V), it was derived from the first prototype machine (commonly referred to as 'Little Willie'), and had no suspension.


Takom's Whippet is typical of this manufacturer's recent releases: crisp moulding and ease of assembly are the defining features.

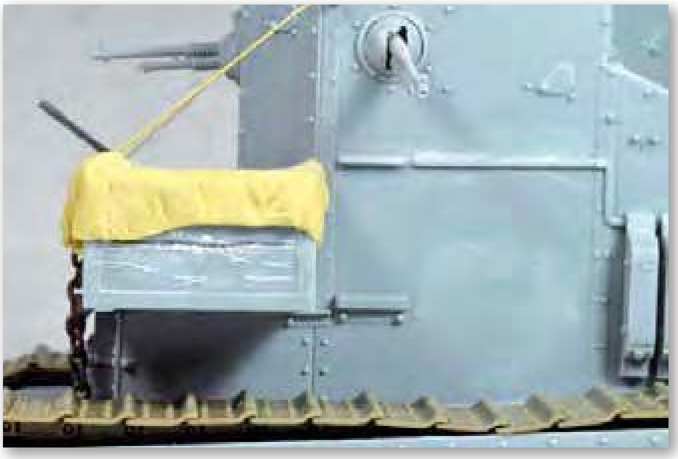
The Model

The kit I chose for this project was Takom's 'MK A Whippet WWI Medium Tank' (ref. 2025). As one would expect, the quality of moulding is excellent. Similarly, parts-fit is good, with the exception of certain sections of the casemate. The main problem was with one of the rear boxes, which was slightly tilted; easily resolved by adding some Evergreen strip to level it. A feature lacking in the kit is the asbestos cord cladding around each of the exhaust mufflers. The solution was to soak a length of sewing thread in diluted PVA white glue, and wrap this around each cylinder. Since this resulted in a slightly wider diameter to the muffler, it was necessary to remove the retainers on each end, and replace them with a wire ring.

Returning to the rear-mounted boxes, no attempt has been made to replicate the wood-grain panels. Again, remedying this was simple; nothing more than a few passes with a sharp blade to create a more realistic appearance. Various items of stowage were placed inside one of the boxes,

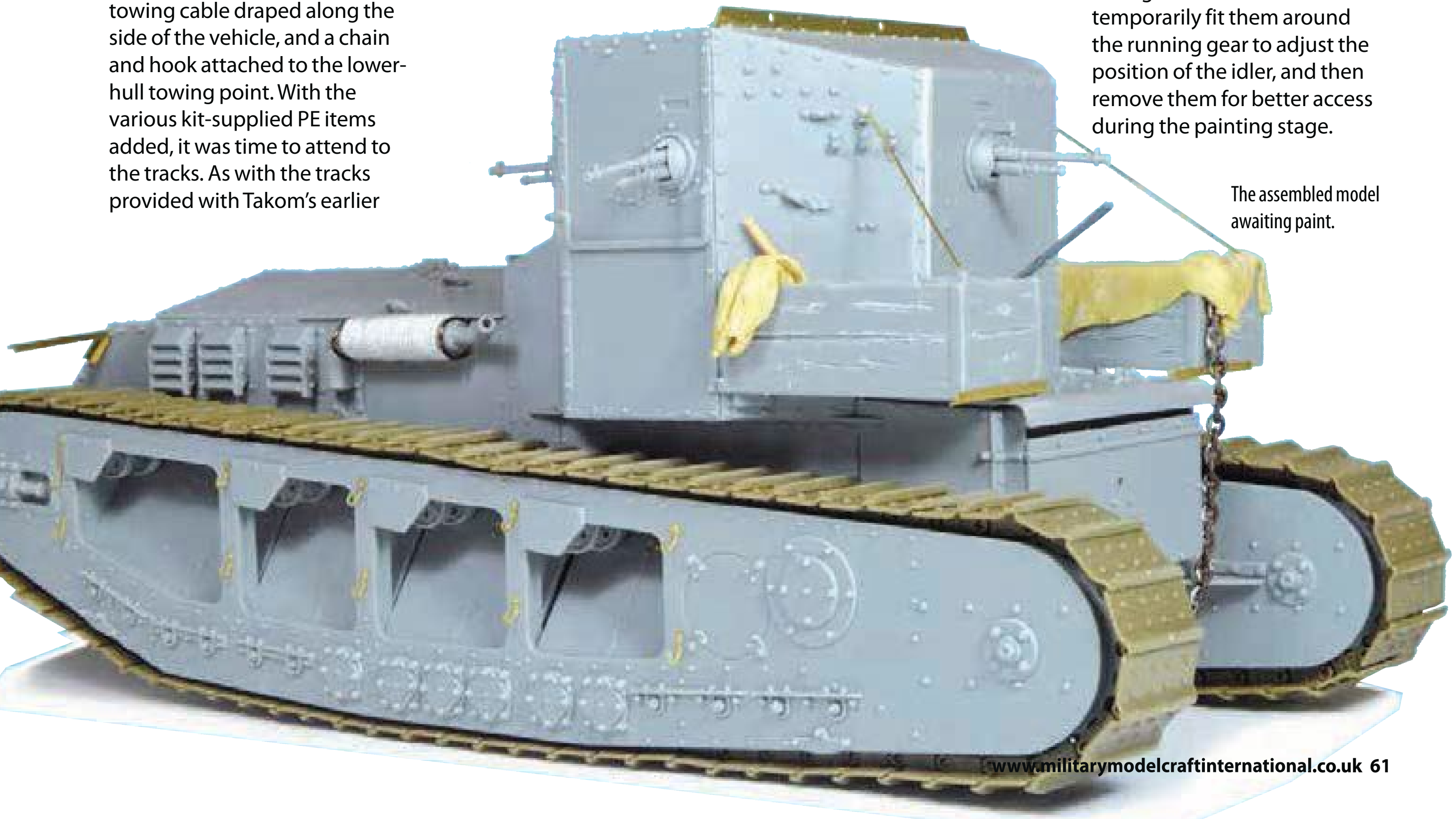


1 Some of the home-made improvements: gouges on the wooden stowage boxes and asbestos cladding around the exhaust muffler.



2 I sculpted some stowage and tarpaulins out of two-part epoxy putty to add some interest.

the other being fitted with a canvas cover made from a thin sheet of epoxy putty. Further items included a scratch-built towing cable draped along the side of the vehicle, and a chain and hook attached to the lower-hull towing point. With the various kit-supplied PE items added, it was time to attend to the tracks. As with the tracks provided with Takom's earlier Mk.IV kit, these are presented as a series of individual-links, which can be assembled without the need for glue. As well as allowing the tracks to be fully articulated, this 'snap-fit' arrangement meant that I could temporarily fit them around the running gear to adjust the position of the idler, and then remove them for better access during the painting stage.

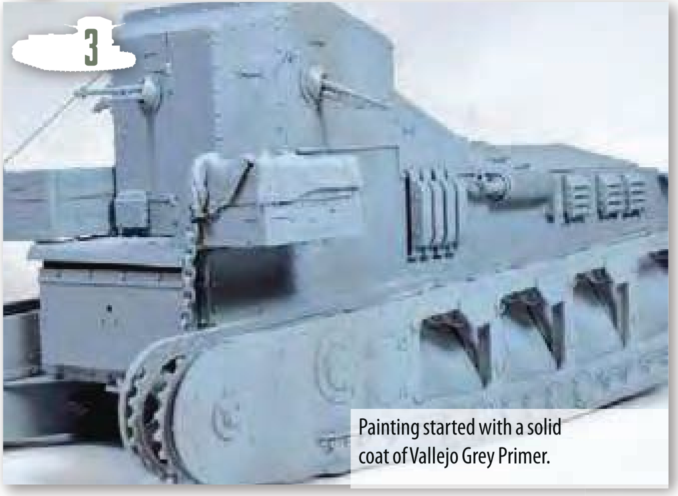


The assembled model awaiting paint.

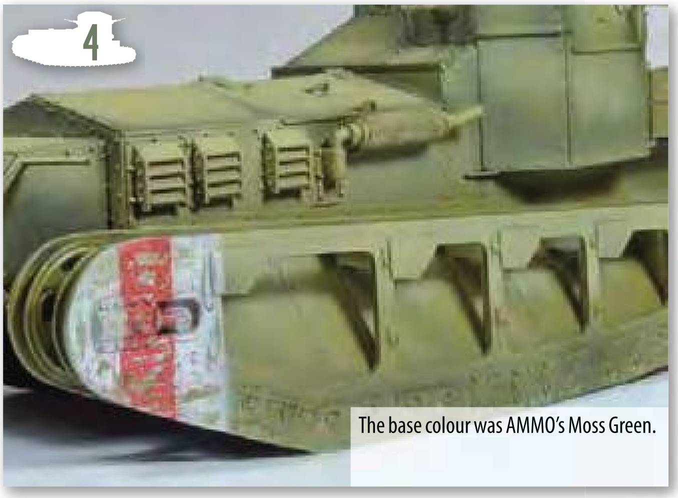
Painting, Marking and Weathering

The first task was to establish where the Mk.A tanks operated during the war, and decide on a suitable camouflage scheme. Having checked various references, I finally opted for tank no. A347 of the 6th Battalion, B Company, which fought at Amiens in August 1918. With the basic assembly complete, and the tracks removed, I treated the entire model to a coat of Vallejo Light Grey Primer. Before applying the vehicle's base colour, I used a selection of Vallejo colours to create a wood effect to the rear boxes. Washes and filters were then added to highlight the texture, and a coat of matt varnish applied to seal the paint. After 24 hours, I applied a layer of AK Interactive's AK 088 (Worn Effects Fluid) to this area, and waited for it to be touch-dry before giving the model an overall coat of AMMO's A.MIG-074 (Moss Green). For the best result, I diluted this with a few drops of AMMO Thinner, and set my airbrush pressure to 1.5kg. The surfaces of the boxes were now moistened with a brush, and I was able to expose areas of the underlying wood colour by removing portions of the green using a toothpick and a stiff brush.

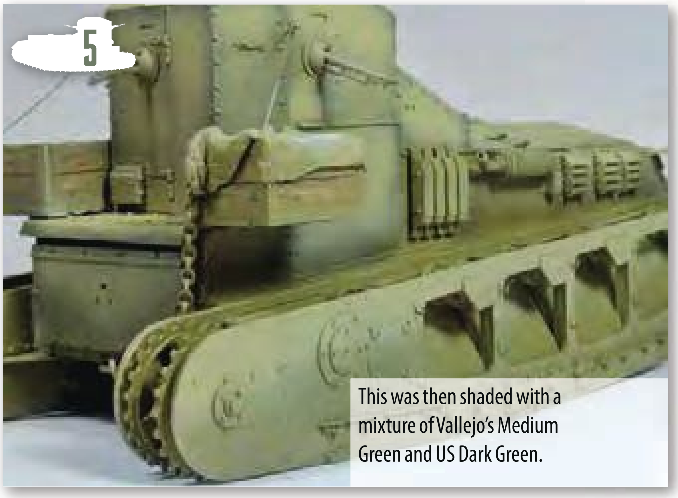
Time now to accentuate shadows around the model. Having prepared a 3:1 mix of Vallejo 71.902 (Medium Green) and 71.016 (US Dark



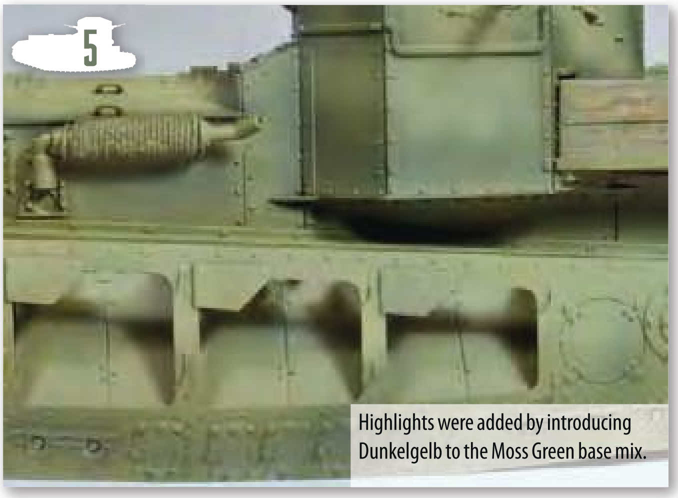
Painting started with a solid coat of Vallejo Grey Primer.



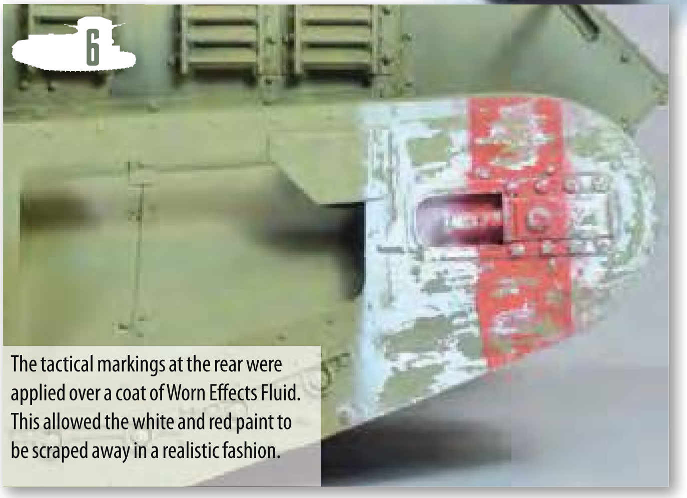
The base colour was AMMO's Moss Green.



This was then shaded with a mixture of Vallejo's Medium Green and US Dark Green.

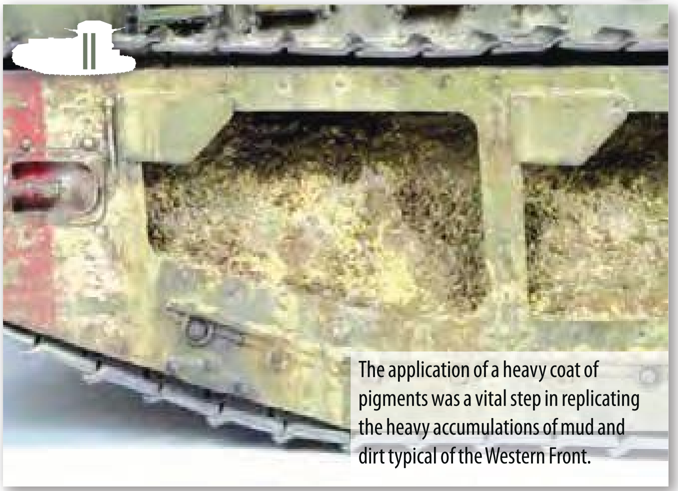


Highlights were added by introducing Dunkelgelb to the Moss Green base mix.



The tactical markings at the rear were applied over a coat of Worn Effects Fluid. This allowed the white and red paint to be scraped away in a realistic fashion.

Green), I applied this around different panels, and adjusted the proportion to achieve a darker shade for lower areas. The next logical step was to add highlights, this time using the base colour mixed with A.MIG-903 (Dunkelgelb Light Base). Again, by varying the mix, I was able to increase the strength of the highlights over horizontal and upper surfaces. This effect was enhanced by brush-painting extreme highlights over raised sections around the hull top and casemate. Satisfied with the appearance so far, I made a start on the white/red/white recognition markings. With the surrounding areas masked, I applied the Worn Effects Fluid, airbrushed a coat of white, and scraped away portions of the colour. The process was repeated with the red section, resulting in a realistic distressed paintwork effect. Specific items around the vehicle were now brush-painted with Vallejo acrylics, and various AK pigments were rubbed over the gun barrels to impart a subtle metallic sheen. As for the exhaust pipes, chain and towing cable, these were treated to several AK rust tones, followed by a light rust wash. Appropriate decal markings were applied with the help of Microscale's Set & Sol products, and the model received an overall coat of satin varnish in preparation for further weathering. The next task was to use diluted Burnt Umber oil paint to add further depth to areas of shadow, and various yellow tones to emphasise certain highlights. This was followed by a series of filters (both oil and enamel-based) to create tonal variety around the model. Various dark washes were now prepared, these being applied to re-define raised details such as bolt-heads and rivets, and further emphasise recesses and panel lines. Any excess was simply removed using a brush moistened with clean solvent.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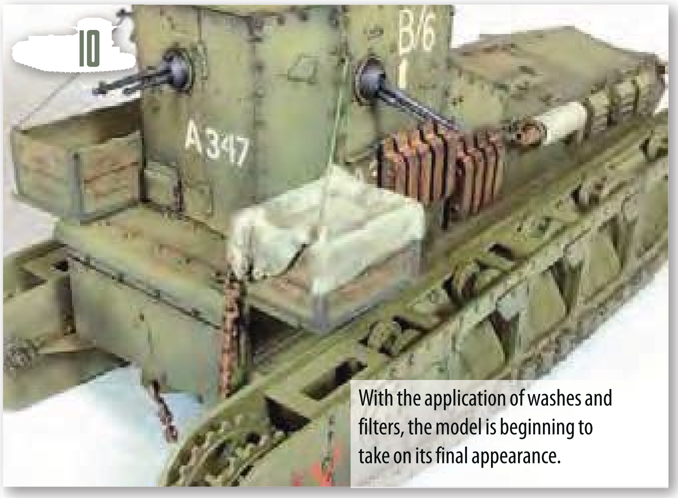
The application of a heavy coat of pigments was a vital step in replicating the heavy accumulations of mud and dirt typical of the Western Front.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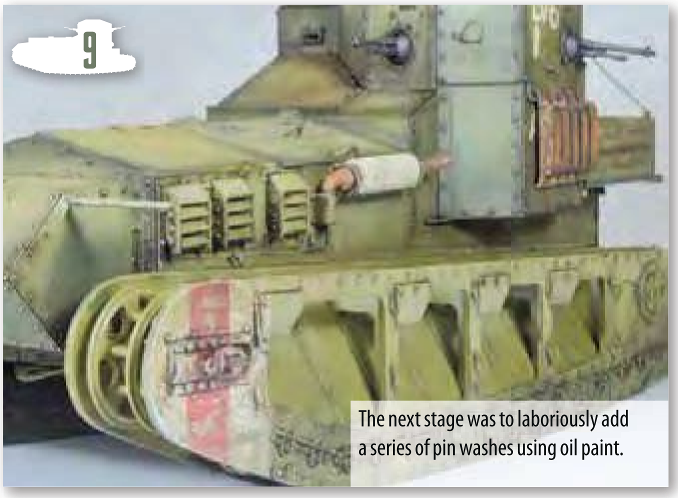
With the application of washes and filters, the model is beginning to take on its final appearance.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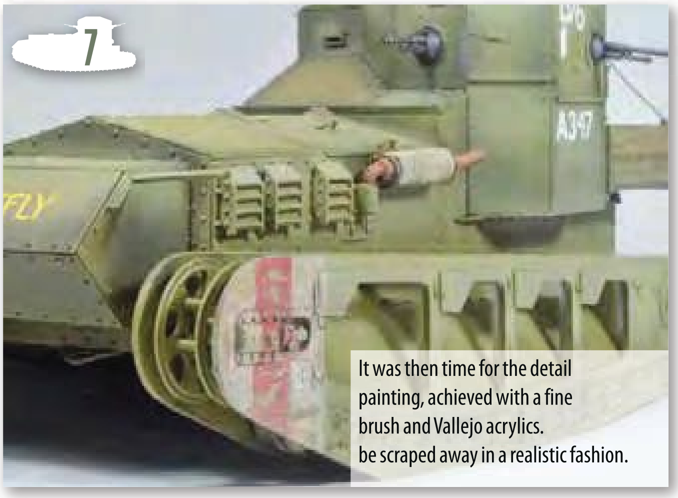
The next stage was to laboriously add a series of pin washes using oil paint.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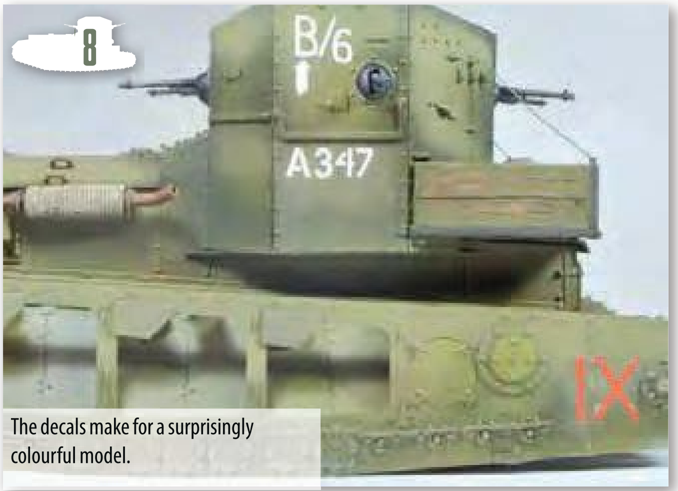
It was then time for the detail painting, achieved with a fine brush and Vallejo acrylics.
be scraped away in a realistic fashion.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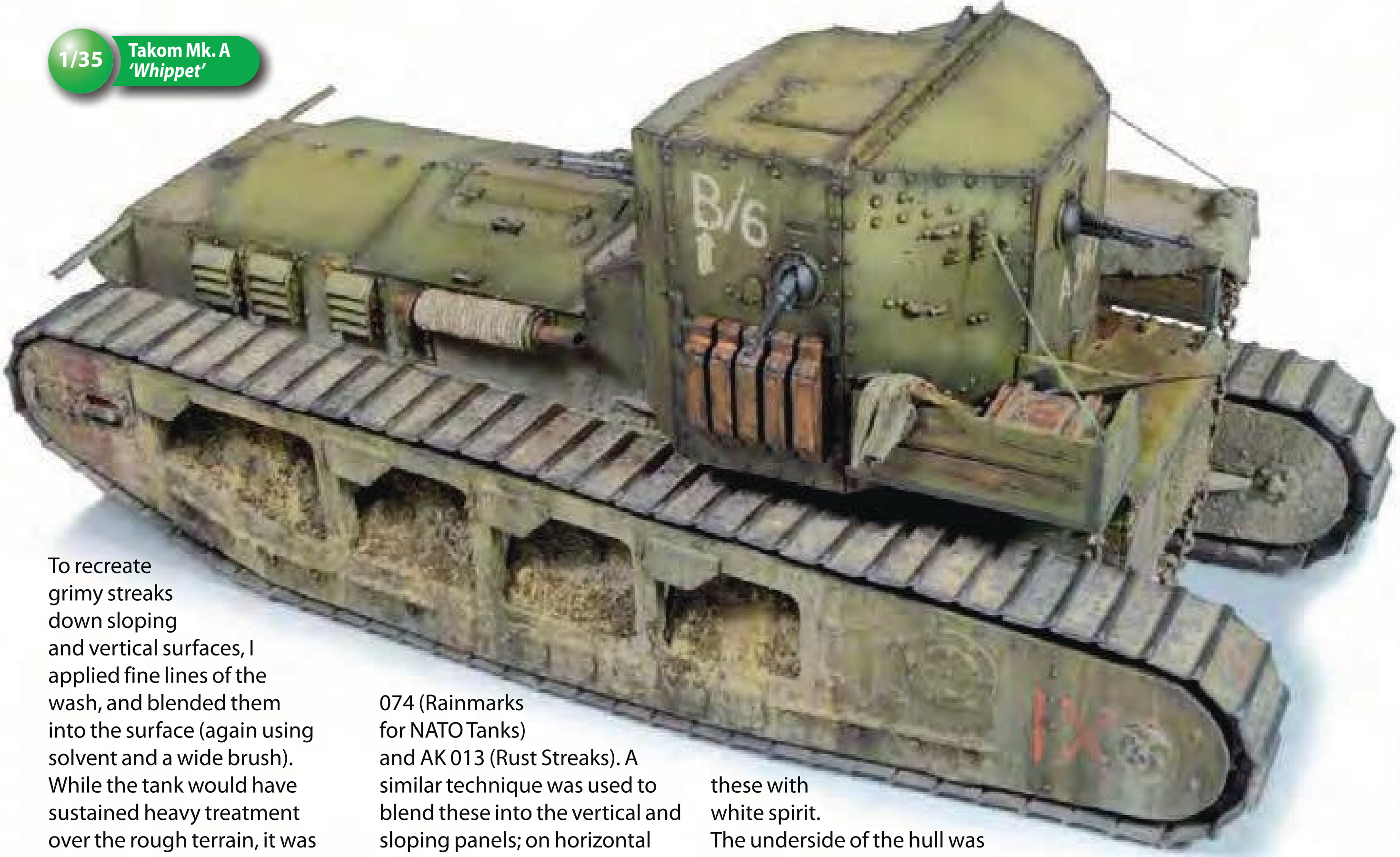
The decals make for a surprisingly colourful model.



To recreate grimy streaks down sloping and vertical surfaces, I applied fine lines of the wash, and blended them into the surface (again using solvent and a wide brush). While the tank would have sustained heavy treatment over the rough terrain, it was important to keep the paint-chipping effect in-scale so as not to detract from the overall subject. With this in mind, I used a piece of sponge to apply a dark rust tone from the Vallejo range, focusing mainly on the sides of the vehicle. A fine-pointed brush was now used to add further scuffs and scratches, and I finished off with a wash of light rust. Following the initial streaking effect, I repeated this treatment, this time using a selection of AK Interactive's enamels: AK 080 (Kursk Earth), AK 015 (Dust Effects), AK 074 (Rainmarks for NATO Tanks) and AK 013 (Rust Streaks). A similar technique was used to blend these into the vertical and sloping panels; on horizontal areas, they were manipulated in a circular motion to give the impression of dirt that had been washed across the surface to accumulate in crevices and recesses.

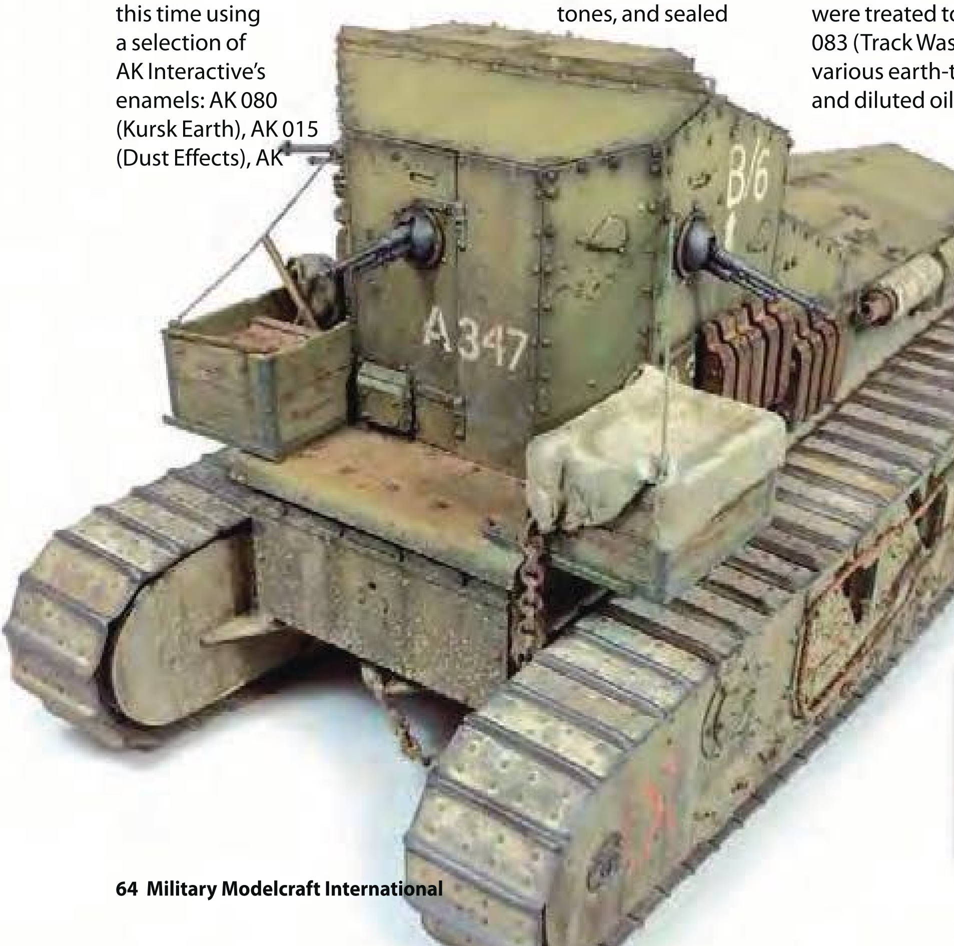
Given the design of the vehicle, it is logical to assume that the lower hull and open sponsons would have collected large quantities of dirt and mud. So, using a variety of Vallejo pigments, I worked progressively from light to dark tones, and sealed these with white spirit.

The underside of the hull was then given a further covering using 73.810 (Light Brown Mud), 26.807 (European Mud) and 73.826 (Mud & Grass). Over areas where mud would have been thrown up onto the vehicle (particularly around the front and rear, and also around the lower sides), I used an old brush to flick various colours from AMMO's 'Splashes' range.

I airbrushed the tracks with Panzer Aces 70.304 (Track Primer). Once installed, they were treated to a coat of AK 083 (Track Wash), followed by various earth-tone pigments, and diluted oils and enamels to add to the heavily weathered appearance. The final touch was to rub dark metal pigment, and graphite from a pencil over areas of exposed metal (such as hinges and grab handles).

Final Thoughts

Takom have done a great job with their Mk. A Whippet. It's distinctive shape provides some great weathering opportunities, particularly the unusual suspension. I'm pleased I chose to model this as a British, rather than a Soviet or German, vehicle. It's difficult to conceive that 100 years ago men went to war in machines such as this amidst the horror of the Western Front. When you consider modern MBTs, such as the Abrams or the T-14 Armata, it's amazing to think how technology has moved on, although, of course, the end result is sadly the same.



Availability:

Takom 1/35 Mk. A 'Whippet' WWI Medium Tank *(ref. 2025)* is available from good model shops. Takom kits are distributed in the UK by Pocketbond, www.pocketbond.co.uk

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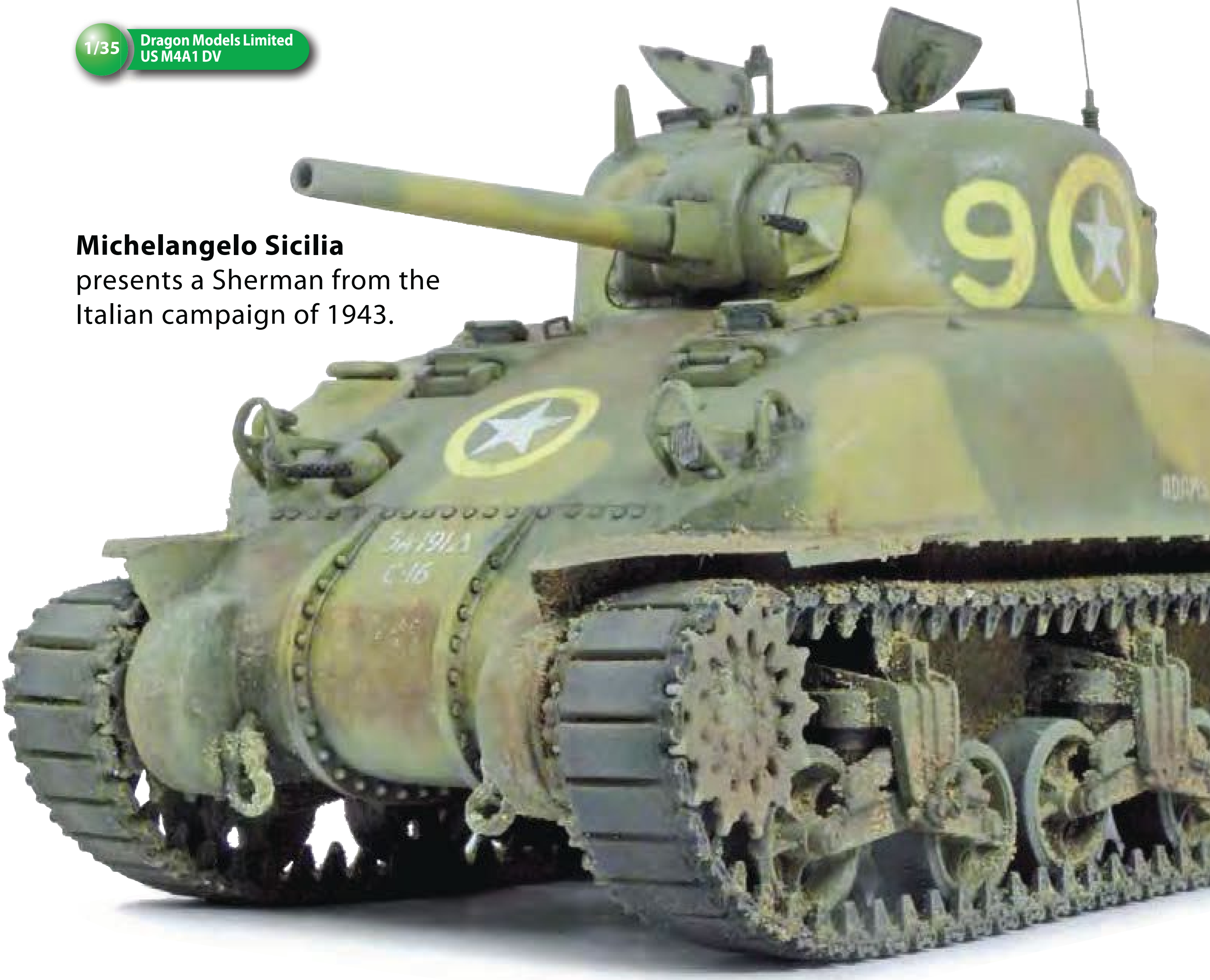


GRIZZLY ADAMS

Michelangelo Sicilia presents a Sherman from the Italian campaign of 1943.

Some time ago, my modeller friend Maurizio proposed a four-handed project to me. The idea was the realisation of a U.S. Sherman M4A1 in 1/35 scale during the early part of the Italian campaign. Our choice of kit was **Dragon's M4A1 DV** with the addition of a decal sheet from **Star Decals** (*ref. 35983*). After a bit of research on the Web and through our reference books, we decided to build the Sherman 'ADAMS', with a big yellow number '9' on the turret and the star in a circle.

Historical Note

The 191st Tank Battallion was organized in September 1940 from four National Guard tank companies from New York, Massachusetts, Virginia, and Connecticut. It was moved to North Africa during 1943 and on 3 September began loading on six LCT landing craft in Bizerte in Libya. After

a few days of organisation, on 7 September 1943 the convoy pulled out from Bizerte harbour at 08:00. 48 hours later it was D Day: the Allied landing near Salerno on the Italian mainland. I discovered some archived military documents on the Web which described the action:

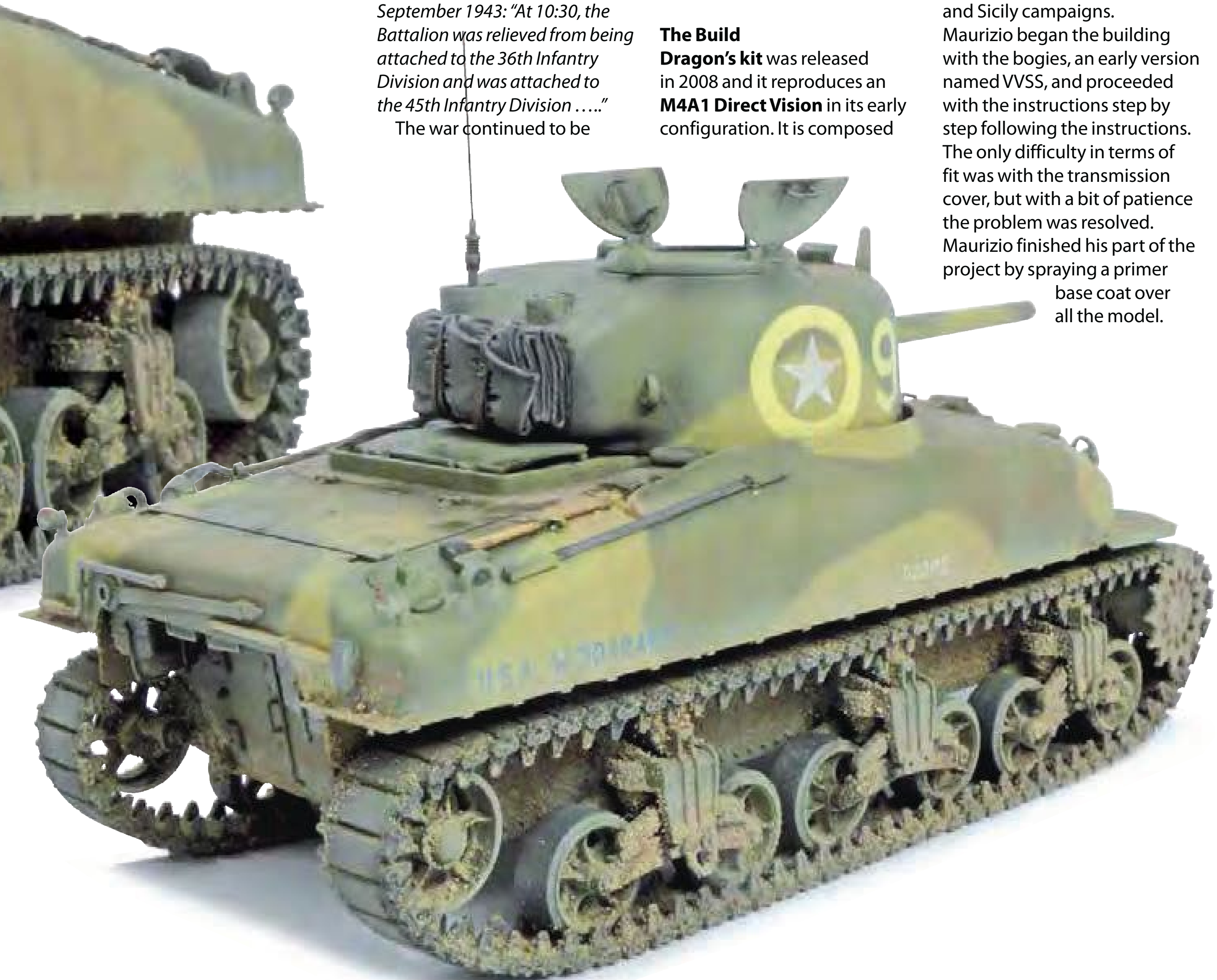
“All LCT’s and LST’s were under constant, heavy, enemy artillery fire during unloading, and all boats were hit several times. The de-waterproofing was carried out under extreme difficulty on beach under shell fire and strafing by enemy planes. The shrouds on most tanks had to be pulled off by other tanks or cut off with an axe. Enemy snipers were everywhere today, and did much damage to the infantry units……”. 10 September 1943: “At 10:30, the Battalion was relieved from being attached to the 36th Infantry Division and was attached to the 45th Infantry Division …..”

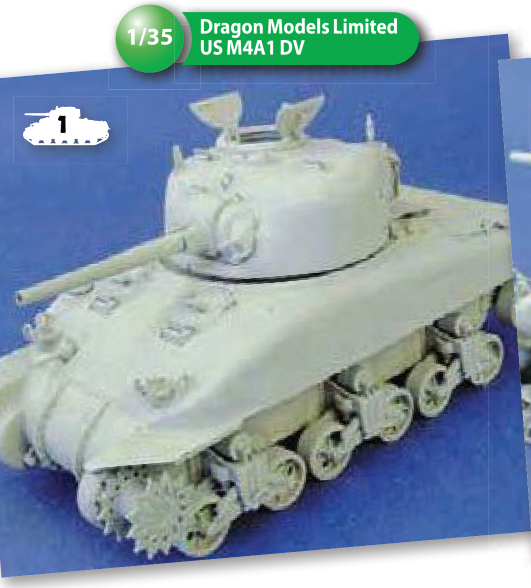
The war continued to be a hard affair for 191st Tank Battalion in Italy. In January 1944 it landed at Anzio and participated in the campaign that led to the liberation of Rome, during which battalion suffered high losses. The war continuing in France from 15 August 1944 and ended at Munich when the war finally was ended.

The Build

Dragon’s kit was released in 2008 and it reproduces an **M4A1 Direct Vision** in its early configuration. It is composed of 12 sprues and clear parts for the vision blocks, and a photoetched sheet including rear and front fenders, lamp guards, belts for the on board tools etc. Two DS Styrene tracks T41 Pattern complete the kit. A little sheet of decals by Cartograf allows the modeler to reproduce two different Sherman during the African and Sicily campaigns.

Maurizio began the building with the bogies, an early version named VVSS, and proceeded with the instructions step by step following the instructions. The only difficulty in terms of fit was with the transmission cover, but with a bit of patience the problem was resolved. Maurizio finished his part of the project by spraying a primer base coat over all the model.

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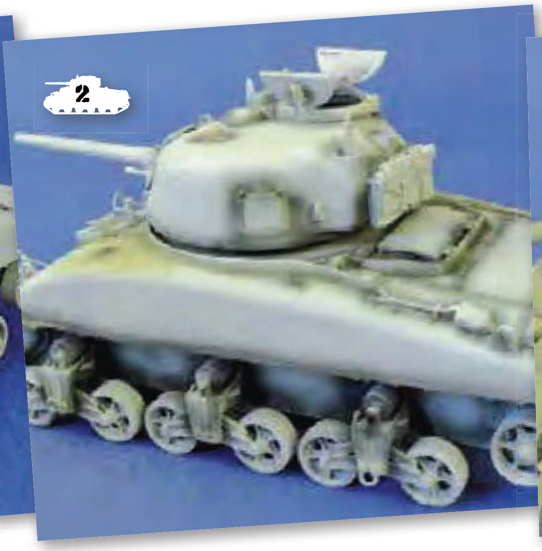
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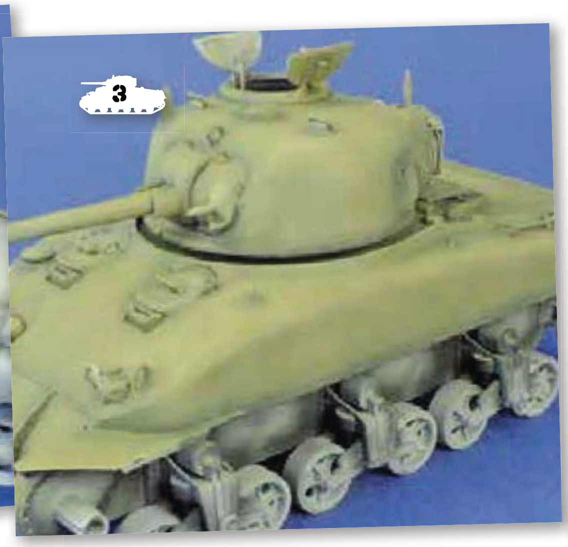
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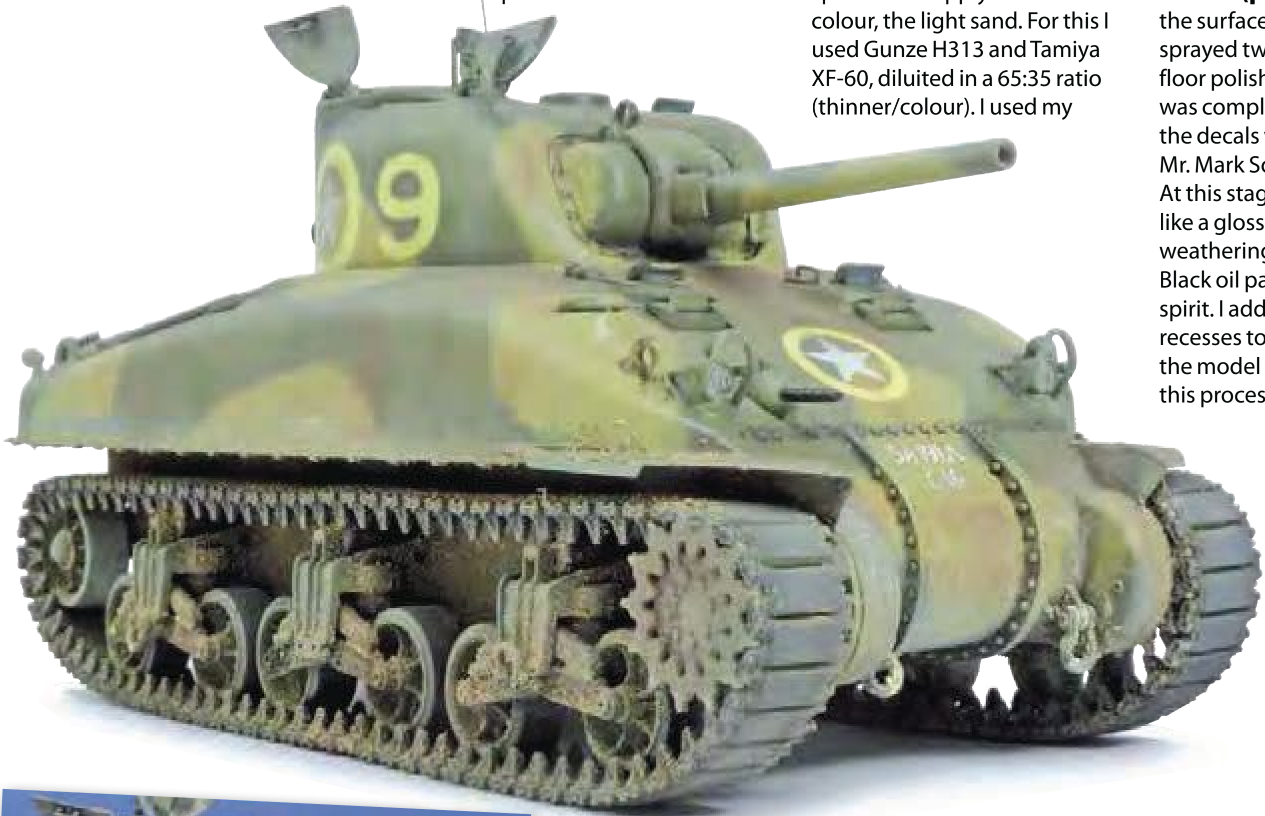
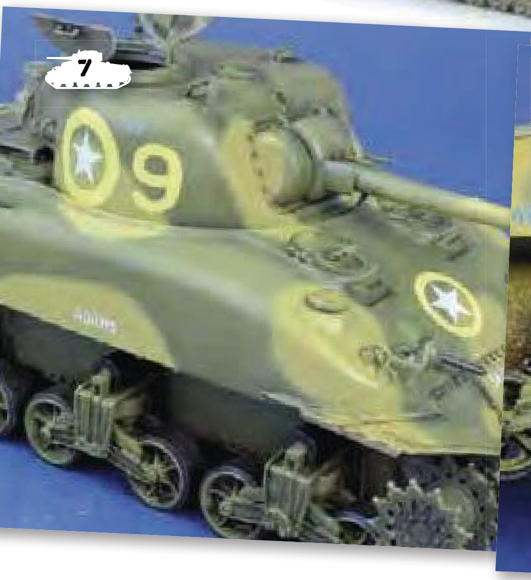
Painting, Marking and Weathering

When the Sherman was complete, Maurizio sent it to my home through the post (we live some 1,300 kilometres from each other) so I was happy to see it arrive in one piece **(photo 1)**. I started the painting phases, as usual with preshading, using Tamiya's Nato Black XF 69 **(photo 2**). This was the perfect occasion to test some new Olive Drab paint by new Italian manufacturer, True Earth. I sprayed a few light coats of Olive Drab because I did not want to cover the preshading effect entirely **(photo 3).** Then I proceed to apply the second colour, the light sand. For this I used Gunze H313 and Tamiya XF-60, diluited in a 65:35 ratio (thinner/colour). I used my Iwata HP-Cs without masking at distance of 1-2 cm from the model and with a bit of patience produced a nice result **(photo 4).** The external tools were hand painted using Vallejo colours. **(photo 5)**. To prepare the surface for the decals I sprayed two light coats of the floor polish Future. When this was completely dry I applied the decals with the help of Mr. Mark Softer. **(photo 6).** At this stage the model looked like a glossy toy, so I started the weathering process with Cassel Black oil paint and Ferraio white spirit. I added this to all the recesses to give some depth to the model and then I repeated this process until the result satisfied me **(photo 7).** The next step was to replicate the dried mud on the lower hull and the bogies. I mixed various pigments with fine sand and polyfilla and sprayed a light coat of white spirit on surface to work to begin working in the pigments. I

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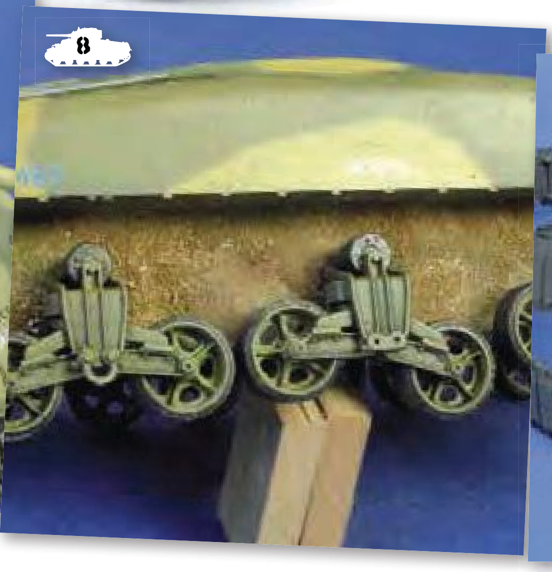
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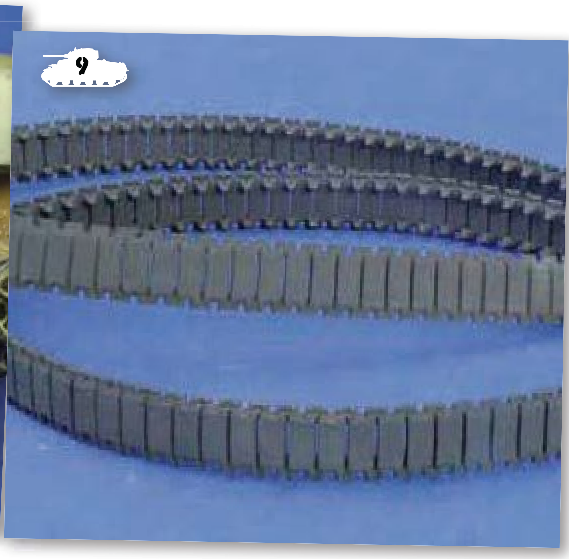
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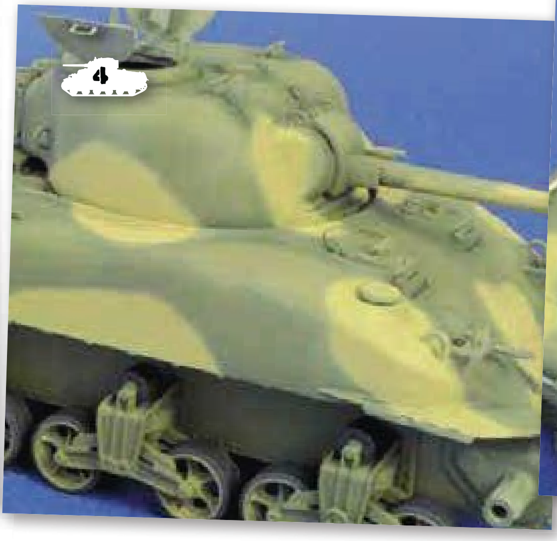
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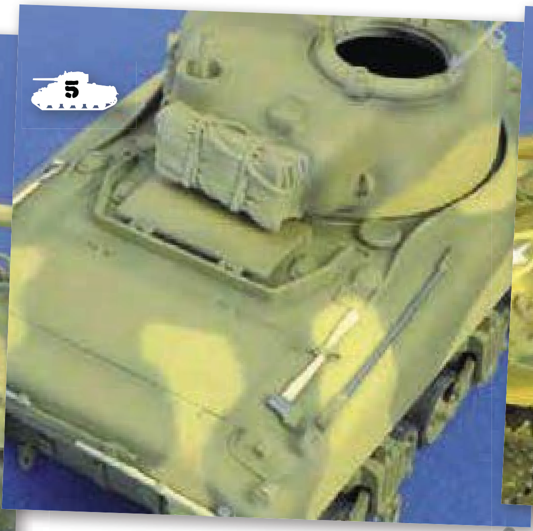
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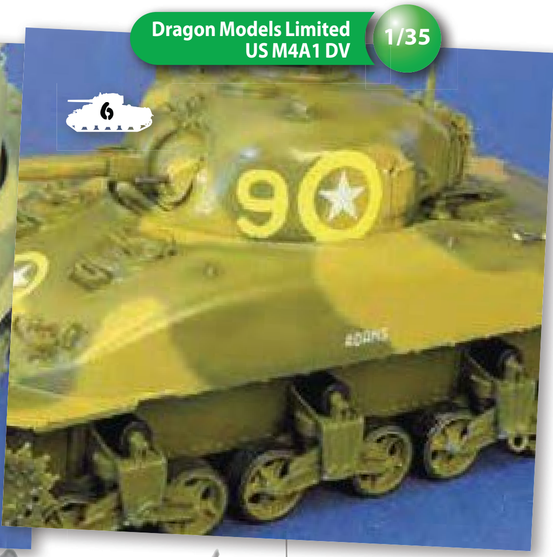
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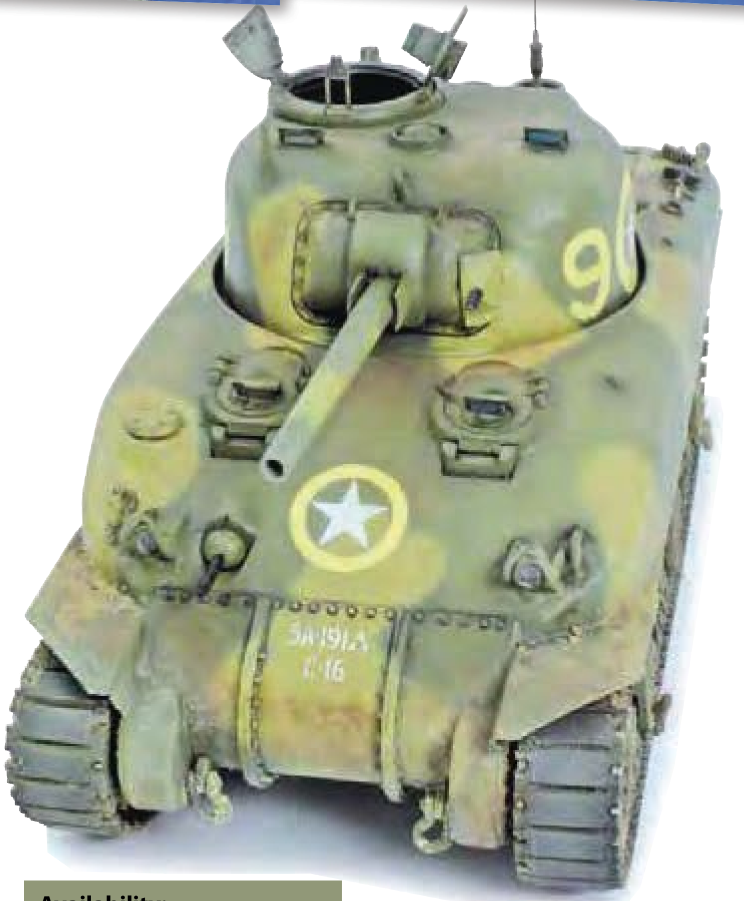
repeated this operation until I was happy with the result (**photo 8**). I suggest working slowly and waiting until the pigments have dried, to view the effect, before repeating the operation. The tracks included in the kit are in DS styrene material. They had good details and were easy to assembly. The only problem with these tracks can be to reproduce the correct sag seen on some vehicles, but fortunately on a Sherman this problem wasn't present. I sprayed on a primer base coat and with this dry I painted them Tamiya Nato Black XF-69 (**photo 9**). Before placing them on the model I weathered with the same pigment used on the model's lower surface. I then glued them together with normal plastic glue and allowed them to dry in the correct position **(picture 10)**. The model was now beginning to take on a real character. I completed the painting phase of the external tools with oil paints (for the wood grain effect) and with Vallejo acrylics and at the same time the canvas situated in turret rear surface.I decided to enhance the dirt and dust effect, using small randomly placed dots of oil point (brown, green, white, yellow) and after a few minutes blending them together with a soft brush in a downward motion **(photo 11)**. After a wait of a few hours, when the model was completely dry, I sprayed a light dust effect on upper hull, near the tracks zone, with Tamiya Buff **(photo 12).** Around the engine deck, on some of the road wheels and on the lower hull I applied grease and fuel stains effect using AK Interactive's 025 Fuel Stain and 084 Engine Oil. Then I applied scratches around the hatches with a little piece of sponge black Vallejo paint.

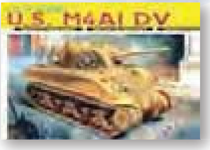
Final Thoughts

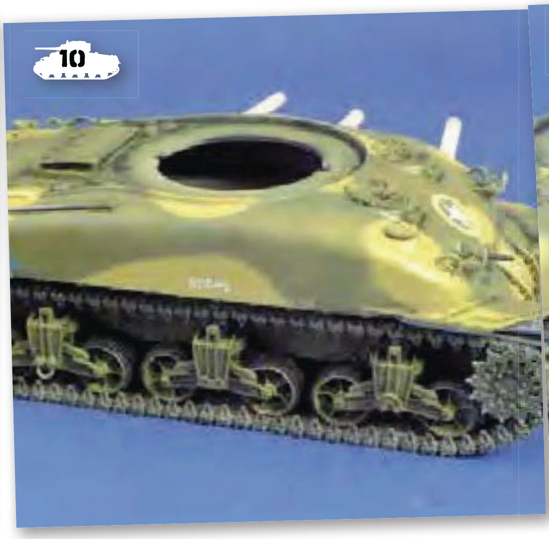
My special thanks to Maurizio Zamboni for suggesting this interesting project, both for the camouflage scheme but especially for the engaging challenge of working with another modeller to make a unique piece. I would suggest teaming up to anyone, it's a lot of fun.



Availability:

Dragon Models 1/35 Limited US M4A1 DV *(ref. 6404)* is available from good model shops.

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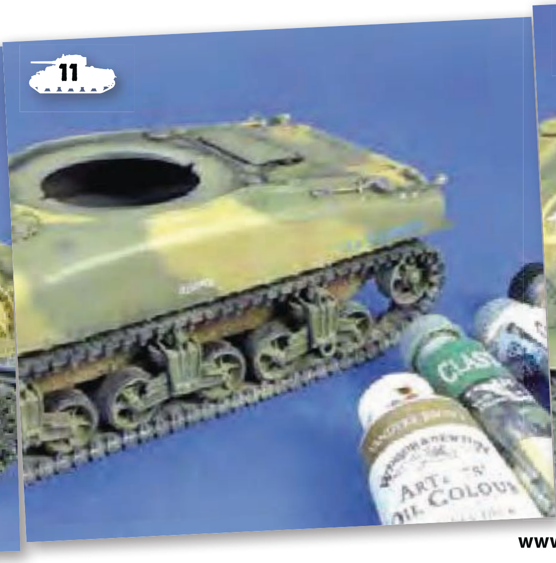
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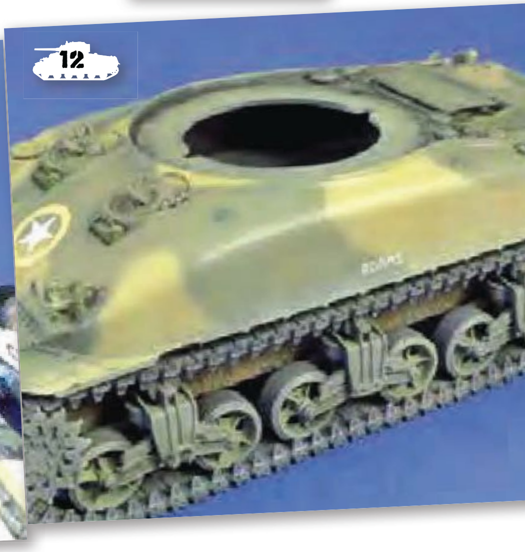
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THE SHIPPING FORECAST

Sorge looks at what's New on the Sea Front.

And now for the shipping forecast, our quarterly look at what's happening in the world of naval modelling. This section has been designed with more regular military modellers in mind and aims to introduce the reader to options and opportunities for modelling that are not so far removed from their own discipline.

Revell
1/144 Flower Class Corvette
Andy McCabe

HMCS Snowberry was a Flower Class Corvette built by George T. Davie & Sons Ltd at Lauzon, Quebec, Canada. Her keel was laid down on the 24th February 1940 and she was launched on the 8th August 1940 and commissioned by the Royal Navy on the 26th November 1940. Though originally built for the Royal Navy, Snowberry was then one of ten corvettes loaned to the Royal Canadian Navy on 15th May 1941. After completing her work up after commissioning at Tobermory in Scotland, Snowberry was assigned to the Western Approaches Command and then she was transferred to Newfoundland in Canada to the RCN. She was tasked with protecting the merchant shipping along the North American Coast after U-Boats had attacked and sunk oil tankers. Snowberry was propelled by a single shaft, a single propeller and had two fire-tube Scotch Boilers and one four-cycle triple-expansion reciprocating steam engine with a maximum speed of sixteen knots, a crew of eighty five. The main gun armament was a single BL 4" Mk IX gun, and she was fitted with four Mk II depth charge throwers and two depth charge rails containing forty depth charges. Snowberry was returned to the Royal Navy in June 1945 and was eventually scrapped in August 1947 in the UK. many of which were taken The Revell kit of HMCS Snowberry (ref. 05132) contains eleven sprues of grey and one clear sprue of injection moulded plastic, one decal sheet, one rigging thread reel and one assembly and painting instruction booklet. Paint call outs are for Revell paints only and the colours for the hull require mixing. The sprues contain 501 plastic parts and some of them are very small. This looks like a very detailed kit and may prove to be a bit of a challenge. The instructions are in the new Revell style being in colour with the painting call outs also in colour along the way.

Construction

This is a bit of a novelty for a mainly aircraft model builder but the build begins not with a cockpit but by assembling the two hull parts together and inserting the rudder and aft bulkhead. The decks were then fitted and the assembly was given a coat of grey primer ready for the colour scheme. The Snowberry had a Western Approaches camouflage scheme that was predominantly an off white with light blue and green panels on the hull, these being Western Approaches White, Green and Blue. All of these colours require mixing if you follow to the kits instructions, but wherever possible I steer away from mixing paints, especially on complex models such as this as touching the paint in later means that unless you have surplus mixed paint left over from the main paint scheme, then trying to match the colours is very difficult.

White Ensign Models used to make exact naval colours until they went out of business a few years ago, however Sovereign Hobbies in the UK are now the manufacturer and supplier of this excellent range of paints and kindly supplied the correct shades required for the model, these being Western Approaches White RN10, Western Approaches Blue RN08, Western Approaches Green RN09 and RN19 Anti-fouling Red and also a bottle of their Colourcoats Thinners. They also supplied a spool of Infini Models Lycra Rigging thread as well.

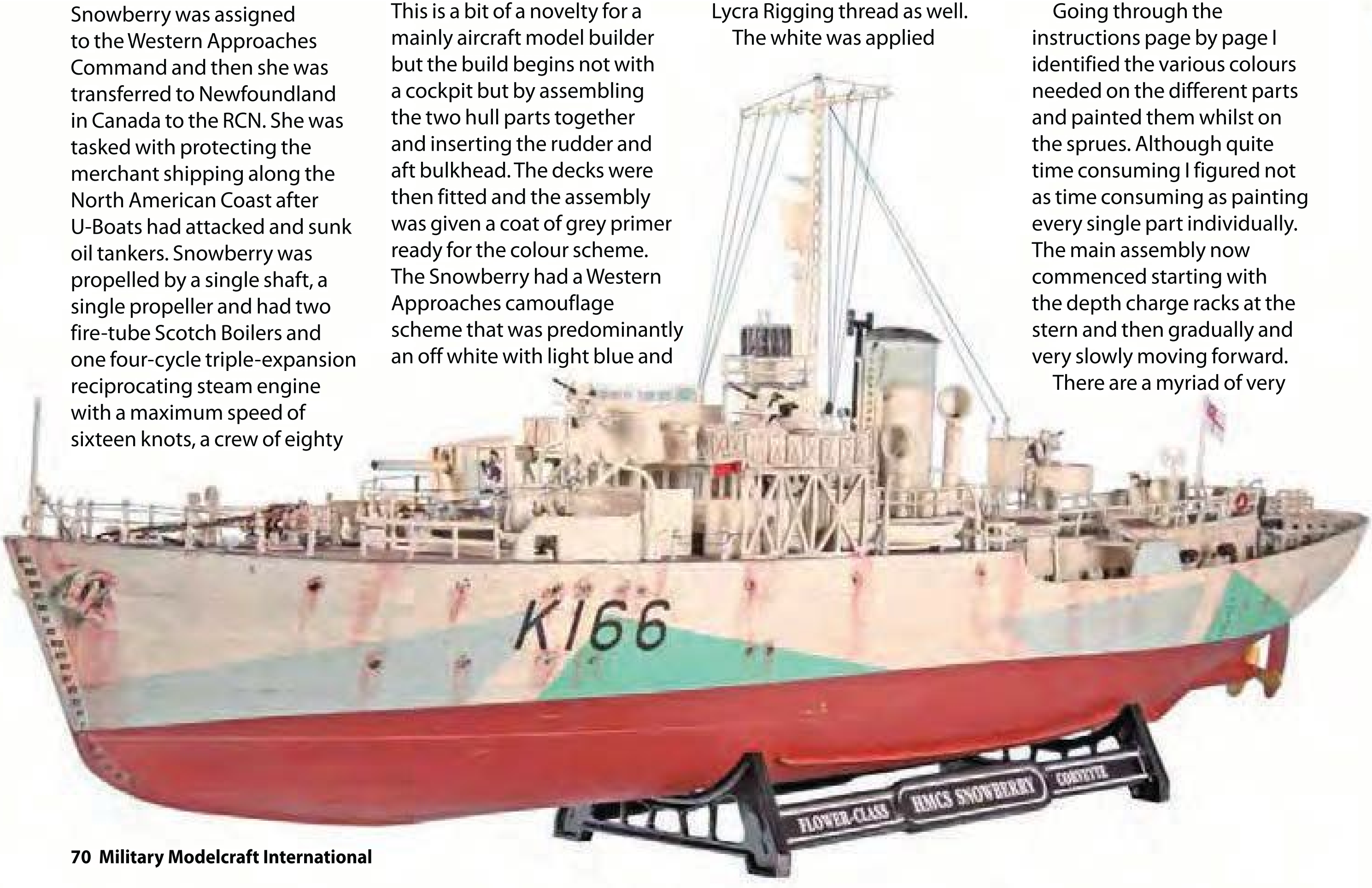
The white was applied first, and then when dry it was masked and the blue and green applied, this was then again masked and the Anti-fouling Red sprayed on. It is quite a dazzling colour scheme when the masking is removed and certainly makes the model stand out.

When sprayed on the differences between the Colourcoats and Revell paint shades are very noticeable and although Colourcoats paints are enamel based they dried remarkably quickly. The decks were sprayed with Tamiya Earth and Colourcoats RN01-AP 507A Dark Grey.

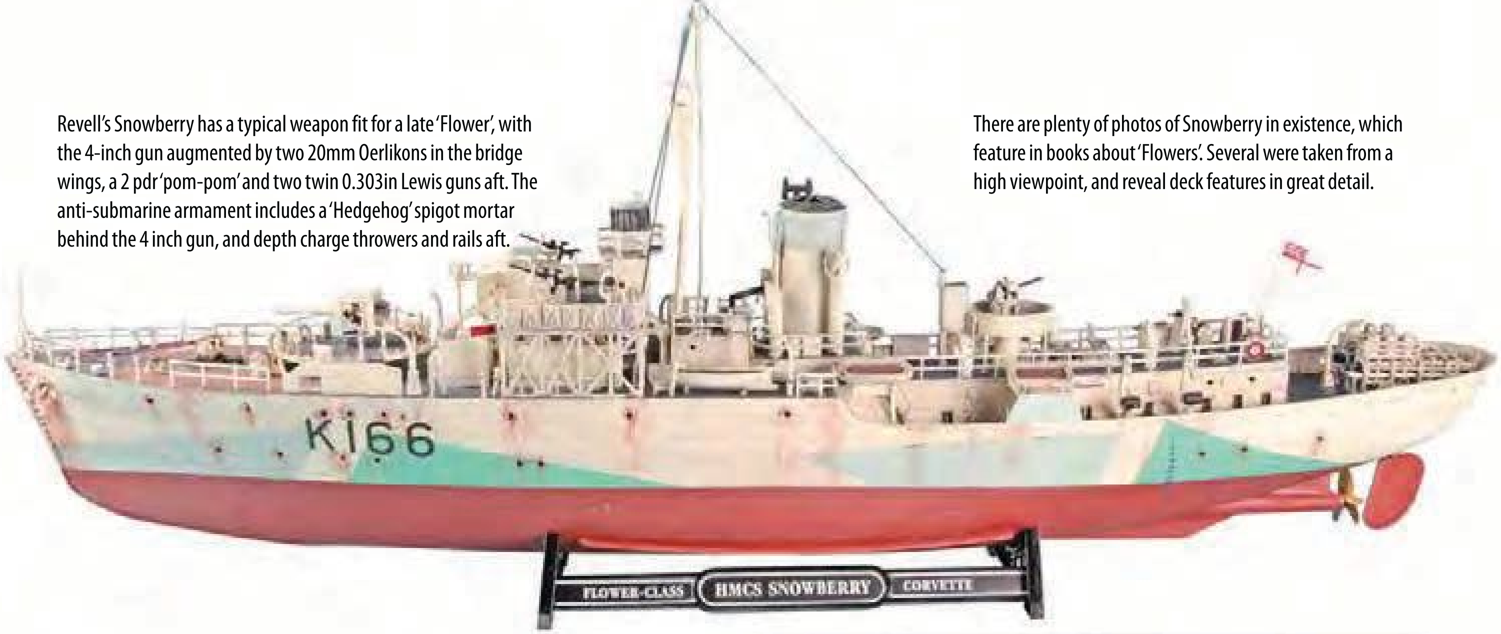
While I was spraying the Western Approaches White to the hull the rest of the parts on the sprues were also sprayed with the same colour. This saves having to paint them individually and with in excess of 500 parts it would save a lot of time later. All I would need to do was touch them up after they had been fitted to the model, hence not opting to mix these colours.

Going through the instructions page by page I identified the various colours needed on the different parts and painted them whilst on the sprues. Although quite time consuming I figured not as time consuming as painting every single part individually. The main assembly now commenced starting with the depth charge racks at the stern and then gradually and very slowly moving forward.

There are a myriad of very



Revell's Snowberry has a typical weapon fit for a late 'Flower', with the 4-inch gun augmented by two 20mm Oerlikons in the bridge wings, a 2 pdr 'pom-pom' and two twin 0.303in Lewis guns aft. The anti-submarine armament includes a 'Hedgehog' spigot mortar behind the 4 inch gun, and depth charge throwers and rails aft.



There are plenty of photos of Snowberry in existence, which feature in books about 'Flowers'. Several were taken from a high viewpoint, and reveal deck features in great detail.

small cleats, vents, hatches, davits and everything else that these ships had sticking up from the decks, and each and every one is a separate part that has to be painted and glued into position. A good pair of tweezers and a steady hand is required. The first I have but need replacing, but the second is not so good these days, nothing I can do about that though. It would be impossible to describe every single stage of this build as there are ninety seven that deal solely with the plastic parts, and in all there are 102 stages if you include the rigging and painting.

As the ship gradually grows up from the decking I was very impressed with the detail included and was totally vindicated in prepainting the sprues before construction started. A dark wash was applied to certain areas and the model was ready for the decals to be applied. The rigging was the last thing to be done. Here the Infini Lycra rigging is a must, otherwise trying to get taught rigging lines is very hard and it just does not look right if they are not.

Conclusion

There are occasions where I stray from the aviation models into other realms. Warships is one of them, but I was not expecting to be asked to review a warship model for Military Modelcraft International and was not going to turn the opportunity down, a change is as good as a rest they say. If you have no knowledge of scale model ship building then this may not be the best one to start off with. It is packed with detail and loads of small parts that can drive you mad, but patience is a virtue and slowly chipping away at them produces dividends in the form of a lovely model of HMCS Snowberry in 1/144. As mentioned the only thing I changed were the paints and rigging, and for this I am indebted to Sovereign Hobbies for supplying review samples. Everything else is straight from the box. It is as I mentioned a lovely model and a nice change from things with wings and very eye-catching in the Western Approaches colour scheme. Revell have just released a 1/350 Premium Edition Bismarck with loads of extra parts such as wooden decks, turned brass gun barrels and large photoetched frets, and if the parts are as good as this kit then it will be a must for naval model builders. Revell kits are available from all good model shops, see www.revell.de/en for further details.

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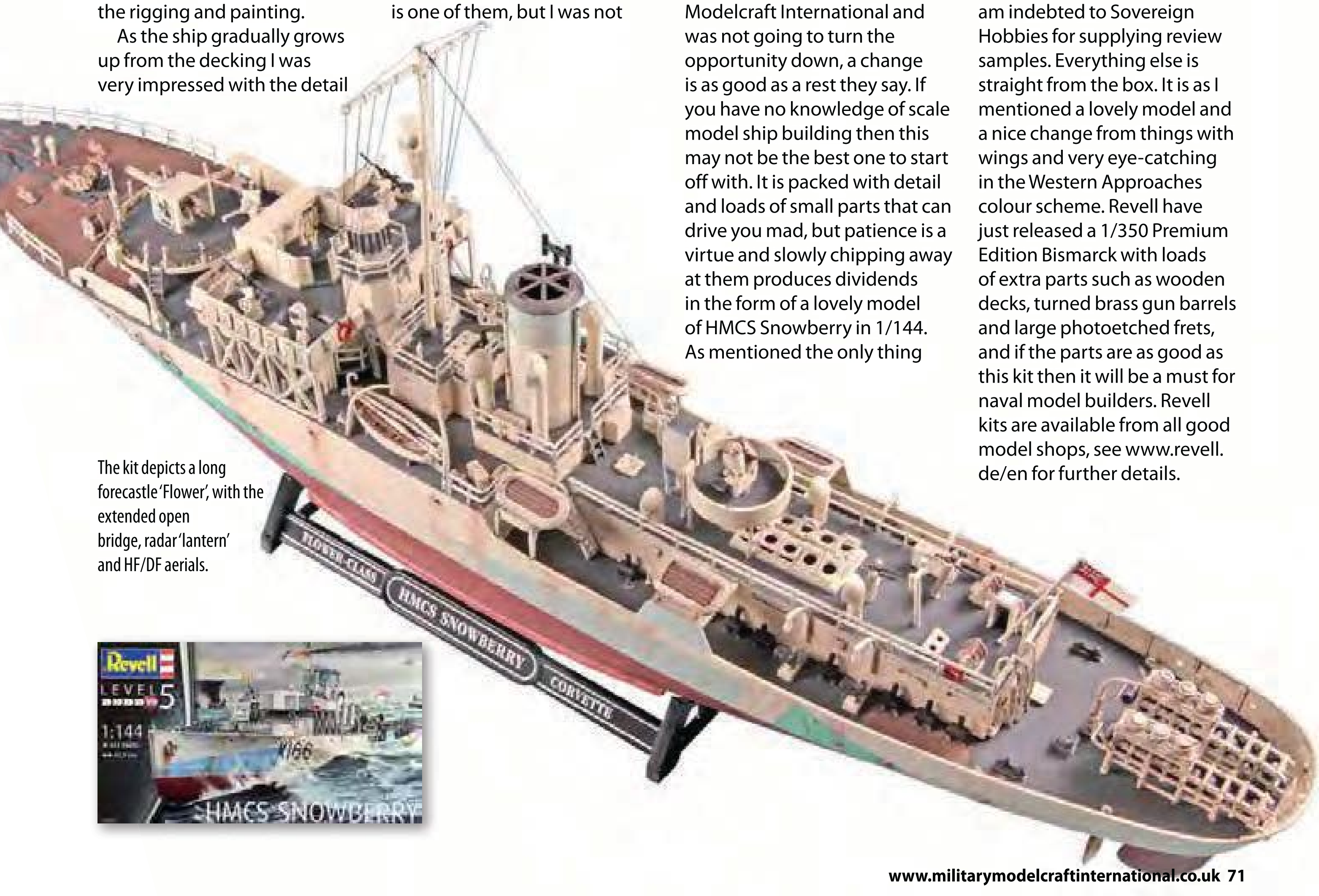
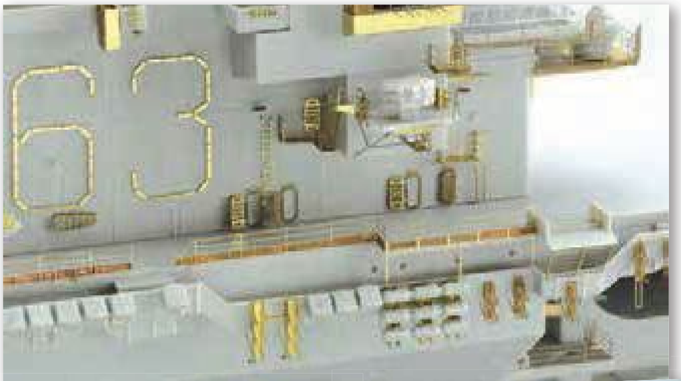
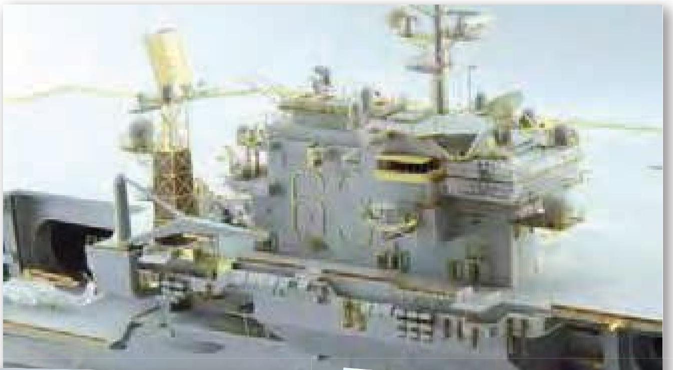
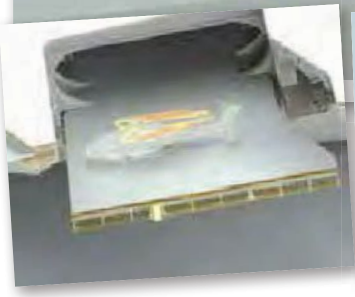
Enamel Thinners
COLOURCOATS
COLOURCOATS
COLOURCOATS
COLOURCOATS



The kit depicts a long forecastle 'Flower', with the extended open bridge, radar 'lantern' and HF/DF aerials.







Eduard
Various Scales

Eduard's stunning etched sets for smaller scale ship models combine their user-friendly design with an astonishing depth of detail making their sets an ideal first time modeller's choice in this medium. As with their AFV sets where items like tool clamps fold from a single piece rather than assemble from a baffling microscopic three, these sets are designed to help the modeller finish a kit, not struggle with it. Eduard's latest sets will strike a chord with the aircraft modeller, inasmuch as they offer a further **three frets in 1/350 for the Trumpeter USS Kittyhawk (see above).**

Some of the parts are an absolute delight, with the deck tractors and cranes receiving the kind of embellishment we often miss in 1/72, and items as fine as perforated air brakes for 1/350 Intruders. Eduard also have two sets due out in October for Revell's HMS Snowberry kit 1/144 kit.

HMCS Snowberry Flower Class Corvette pt. 1 Armament *(ref. 53175)*

HMCS Snowberry Flower Class Corvette pt. 2 Superstructure *(ref. 53176)*

CV-63 Kitty Hawk pt.3 - railings & safety nets *(ref. 53172)*

CV-63 Kitty Hawk pt.4 - aircraft *(ref. 53173)*

CV-63 Kitty Hawk pt.5 - lifeboats *(ref. 53174)*

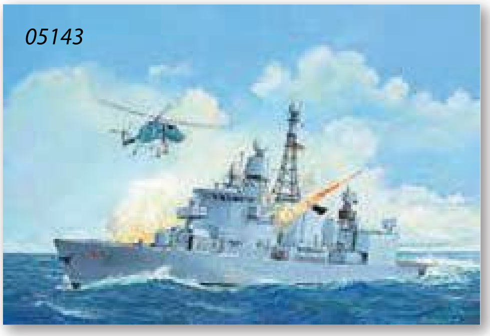
Revell
Various Scales

Further new nautical issues from Revell include that Hi-Tech Bismarck and a couple of other full-hull kits:

1/300 German Frigate Class F122 *(ref. 05143)*
This kit depicts a German Navy multi role combat ship whose main role is anti submarine warfare. The kit includes Sea Sparrow and Harpoon guided missiles, a Westland Sea Lynx Helicopter and decals for eight different vessels.

1/350 Bismark/Bismarck Platinum Edition *(ref. 05144)*
This is a hi-tech re-issue of this kit with a host of extras including photo etched parts, metal tubing for the gun barrels, self adhesive wooden decking, metal anchor chain, two Arado 196 Seaplanes with clear cockpit glazing and decal sets for two operational theatres.

1/72 Sunseeker Predator 108 Luxury Yacht *(ref. 05145)*
A far cry from the Bismarck, nonetheless this pleasure barge is a model ship and no doubt will appeal to many, especially as it is in the gentleman's scale. Diorama possibilities in conjunction with US Coastguard choppers, or armed military what if? conversions spring to mind. Revell kits are available from all good model shops, see www.revell.de/en for further details.



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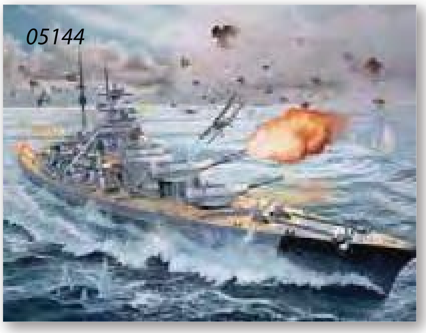

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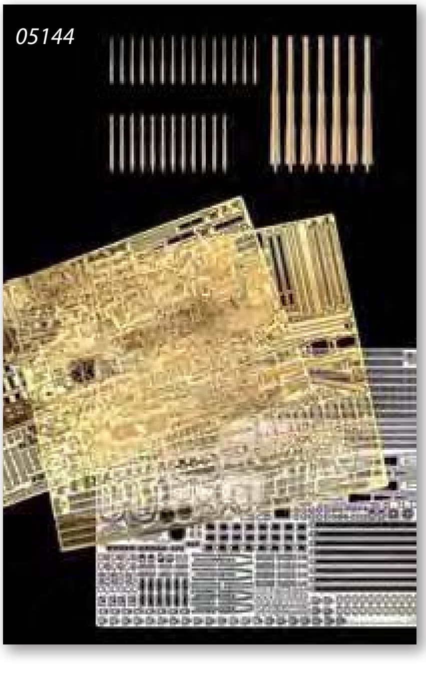

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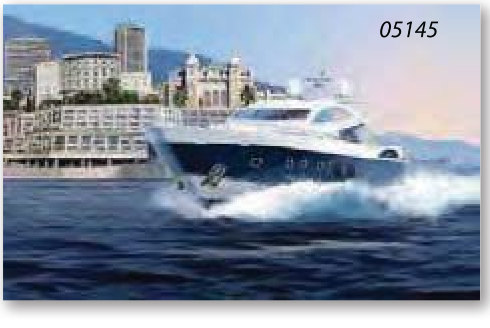

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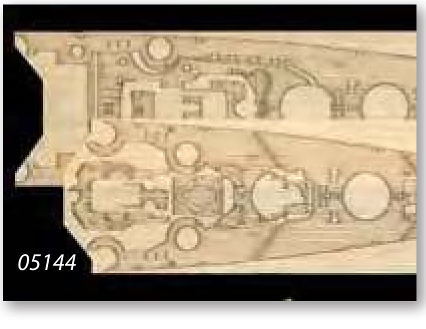

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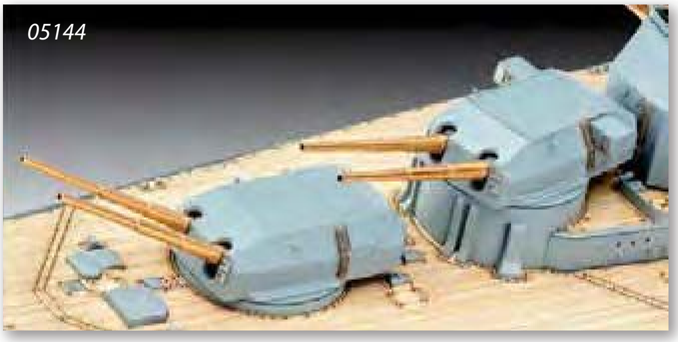


Hasegawa
Various Scales
Newly arrived from Hasegawa: 1/350 IJN Destroyer Shimakaze (ref. HAZ029) Shimakaze was literally one of a kind. This fast heavily armed destroyer was Japan's test bed for a new type of propulsion system. Its steam turbine engines propelled it to 47mph in test runs despite it carrying twice the guns and more sophisticated torpedoes than any other destroyer running. Japan had originally wanted to launch sixteen of these vessels, but the realities of war and limited production kept Shimakaze in a class all by herself. This full hull kit features a display stand and full decals. A linoleum deck detail set is available separately.
In the meantime a number of other nautical releases from this source should be available before the next edition of the Shipping Forecast:

1/350 Mikasa Imperial Japanese Navy/IJN Battleship The Battle of the Yellow Sea full hull *(ref. 40061)*

1/700 JMSDF Kirishima DDG waterline hull *(ref. 43010)*

1/700 Furutaka Japanese Navy Heavy Cruiser waterline hull *(ref. 43345)*

1/350 Shimakaze IJN Destroyer Late Type Detail Set for Hasegawa kits *(ref. QG57)*

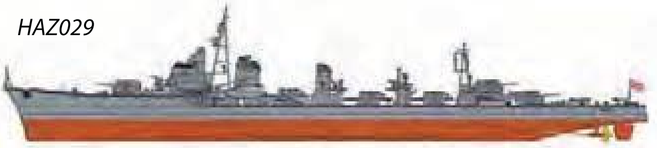
1/700 Battleship Mikasa Detail Up Etching Parts *(ref. QG59)*

1/72 Manned Research Submersible Shinkai 6500 Detail Up Version with Deep Sea Creatures *(ref. SP329)*

1/700 Hyuga Japanese Aircraft Battleship waterline hull *(ref. WL120)*

1/700 Japanese Navy Battleship Mikasa waterline hull *(ref. WL151)*

HAZ029



(below) HAZ40061

日本海軍 戦艦 三笠
"黄海海戦"
IJN BATTLESHIP MIKASA
"THE BATTLE OF THE YELLOW SEA"
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Hobby kits
1:350 SCALE KIT
40061
#40061:6800

(below) WL120

1/700
WATER LINE SERIES
AIRCRAFT BATTLESHIP HYUGA 日向
Hasegawa

(this image and below) SP329

(below) QG57

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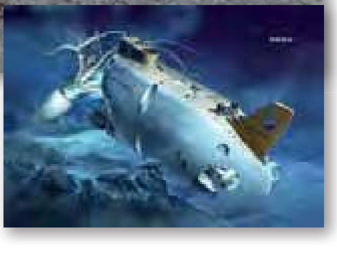

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WORDS & PICTURES

Title: Soviet Armour in Foreign Wars
Author: Chris Meddings et al
Publisher: Inside the Armour Publications
ISBN: 978-0-99325-8-824
Price: £25.00

Inside the Armour are, of course, best known for their resin kits and conversions, but this is their third foray into the world of print. Soviet Armour in Foreign Wars takes advantage of the profusion of modern Russian/Warsaw Pact kits available today from Trumpeter and the like and gathers some of the world's foremost armour modellers to present these vehicles as they served in outside of Russia and the Warsaw Pact: Egypt, Iraq, Libya, Vietnam and Afghanistan. The range of subjects is impressive – from the MBTs to wheeled APCs and from the Vietnam War to modern day Libya. The book is a hefty tome, some 195 pages, and beautifully illustrated with photos of the finished and in progress models and plenty of reference photos of the real thing. The design and reproduction values are very good and this is certainly a book to be treasured, and one bound to bring inspiration to many modellers. The topics covered are as follows: Ivan Cocker and Chris Meddings ZSU-23-4 Iraq; Chris (again) and José Brito T-55 Libya; Chris and Norio Takemura , NVA T-54; Chris and Kristof Pulinckx. Libyan T-72M1; Ken Abrams NVA BTR-40A; Andy Taylor Egyptian T-54; Chris Afghan BMP-1. The book finishes with a very good figure painting article, aimed at armour modellers, by Alex Long, while Patrick Winnepenninckx presents some images of ex-Soviet armour in Afghanistan. If all this wasn't enough, the volume also includes a free decal sheet covering some of the vehicles in the book. Personally, my favourite must be the superb job Norio Takemura did in his Saigon diorama, with some amazing scratchbuilt buildings to complement Chris's build of the T-54. Overall, this is a superb volume, highly recommended to all regardless of your preferred historical period. It's available from good specialist bookshops and directly from Chris Meddings at www.insidethearmour.com.

David Grummitt

SOVIET ★ ARMOUR
IN FOREIGN WARS

Title: Encyclopedia of Armour Modelling Techniques Vol 2: Interiors and Base Color
Author: Mig Jiménez et al
Publisher: AMMO Mig Jiménez
ISBN: 843-2-07406-1-519
Price: €31.00

This is the second volume in a series that promises to be a comprehensive guide to building, painting and finishing AFV models from one of the most accomplished modellers in the game today, Mig Jiménez. The first volume, concentrating on construction techniques, was beautifully illustrated and designed and packed full of excellent and useful information. This is no different. The book is divided into three chapters (4-6 of the series): materials and references; interior painting; and exterior painting. Each is presented as an extended step-by-step masterclass, covering in great detail each aspect of the preparation and painting stages, from the different types of paints and brushes to painting and weathering engines. The full range of painting techniques – from preshading to modulation – are explained with great clarity, while other aspects such as the application of markings – waterslide and dry rub decals, as well as stencils – are covered too. I was a little surprised that the latter chapter appears to stray beyond the simple application of base colours and into the camouflage colours and even weathering. I wonder quite what volume 3 (camouflage) and volume 4 (weathering) will cover? With 152 pages and more than 800 photos, this is a superb volume, packed full of useful and inspirational information. Highly recommended to modellers of all levels of talent and experience. Our thanks to the publisher for the review copy, it's available direct from www.migjimenez.com.

David Grummitt

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- corrected shape of the steel wheel by adding the grooves inside the rims
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- corrected shape and size of the bolts
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WORDS&PICTURES

Title:	Scale Model Handbook: Figure Modelling 17
Author:	Mike Butler et al
Publisher:	Mr Black Publications
ISBN:	977-2-24110-5-004
Price:	€14.95

The latest instalment of the highly acclaimed Scale Model Handbook series turns again to figure modelling and presents some superb examples of work in a range of scales and across a plethora of historical subjects. The articles are a mixture of step-by-step articles and 'gallery' style presentations of award-winning models. The models are uniformly excellent and the text helpful and informative. Mr Black Publications have done their usual superlative job in designing and presenting the material, with some excellent photography (not always easy with figures, especially in 1/35 scale). The subjects covered are, as ever diverse. Anson Chen from China tackles the 180mm Gaius Julius Caesar bust from the Nutsplanet range, while Ernesto Reyes Stalhuth describes how he painted the box art for Stormtroopers' 90mm 'Trooper, 2nd Dragoons, Balaclava, Crimea 1854'. From Mike "The Kiwi" Butler there is a Life Miniatures' 180mm, New Zealand Battle of Britain Duo (a pilot and his spaniel in fact). Jason Zhou returns with an impressive article from the Young Miniatures range, the 180mm 'Templar Knight'. Stelios Neofytidis presents three articles: two are World War I subjects (the 'Periscope Rifle', a three-figure Gallipoli vignette in 1/35 scale from Firestorm Models and a 54mm Australian Soldier in Gallipoli from the Tommys War range). He also produces a World War II two-figure, 1/35-scale vignette based on the Ardennes campaign using Alpine Miniatures with replacement Hornet heads. Mr Black Studio offers another World War I 54mm action figure from the Tommys War range entitled 'Mons 1914', depicting a Lincolnshire Regiment soldier, while the book ends with a small 1/35 scale vignette featuring Joachim Peiper in Kharkov, by two well-known Japanese modellers, Ryota Sakai (who made the scenic base with a 'wedgie' from a Dragon Panzer III kit) and Toshihiro Sano who painted the Alpine Miniatures figures. Again, highly recommended and available from the publishers who supplied the review copy (www.mrblackpublications.com).

David Grummitt

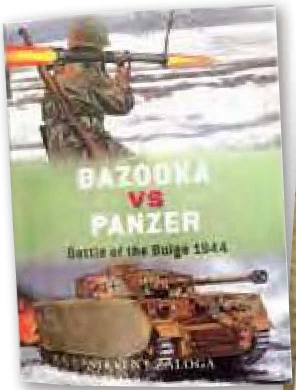
SCALE MODEL
HANDBOOK
MrBLACK

Title:	Bazooka vs Panzer: Battle of the Bulge 1944 (Duel 77)
Author:	Steven J. Zaloga
Publisher:	Osprey Publishing
ISBN:	978-1-47281-2-490
Price:	£12.99

World War II saw tanks assume a dominant role in warfare, capable of tearing through the enemy lines if left unchecked. To combat the threat posed by these armoured behemoths the United States developed the M1 Anti-Tank Rocket Launcher, better known as the Bazooka. First employed in combat during 1942, the weapon required a great deal of skill and courage to use effectively. By late 1944 it was a mainstay of the US infantry's anti-tank capabilities, alongside towed weapons, anti-tank grenades and other longer-established measures. Focusing on the savage close-quarters fighting between Germany's armoured divisions and the US infantry during the Battle of the Bulge, Steven Zaloga's absorbing study compares and assesses the strengths and limitations of the cutting-edge technology used by both sides. Featuring specially commissioned full-colour artwork and explosive battle reports, this volume casts new light on the evolving nature of infantry-versus-tank combat in the closing months of World War II.

This book, as with everything that Zaloga writes, is well researched and an engaging read. The reality of the Bazooka was that it was seldom used against German armour (massed German tank attacks were rare by 1944, with the exception of the Ardennes campaign) and probably only some 4.5% of German tank casualties were caused by shaped-charged weapons (against some 1.3 million Bazooka rounds fired in the ETO during 1944-45). Against this, the *Panzerfaust* and other similar German weapons accounted for some 11% of Allied tank losses. Nevertheless, the Bazooka was a popular weapon among US infantrymen serving in the ETO and it was certainly an important weapons in the history of modern land warfare. Equally, the book is very good on the efficacy of German weaponry (such as the various close defence weapons fitted to late-war armour) and developments such as *Schürzen* fitted to German tanks against the Bazooka. Overall, an excellent book and highly recommended.

David Grummitt



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So it was me asking the editors to be on time and, at the end of the day, I'm holding up the November issue. Nevertheless, this issue does look good, so thanks to David for his superb editorial work and Mark for his quality design.

Our Facebook page continues to grow at a phenomenal rate. We have reached over 41,000 LIKES and the page has an average weekly reach of over 100,000. Remember this is your Facebook page and the opportunity to showcase your builds or military historical facts, so do send us your pictures and a few words to me at tom@regallitho.co.uk.

This month I have used the fantastic work of Dustin Dias from Greenville, PA in the United States of America. Dustin contacted us through our Facebook page; you too can post your work there and you may appear in our magazine as well. The work I choose is not from the editorial team or our contributors but my personal choice, so remember I am not a modeller simply a person who looks at your work and is in awe of the phenomenal effort and commitment that goes into every build. This month someone sent me some pictures of their work and mentioned it was his first build in over 25 years and in his view not to the standard of the work we usually share on our page. I did however post the build pictures, as I thought they were excellent, and the post reached over 10,000 views which is well above average along with some great comments. This has encouraged him to continue to build more, so please do send me your work. I know modellers can be exceptionally critical of your own work but please do share with us your work and let us share onto our Facebook page and in the magazine.

If you haven't visited our London Plastic Modelling Show in previous years then please do pay us a visit this year (on Sunday 4 December). We have made some great additions to the show, including Rifleman Harris aka Jason Salkey who will be there and providing a Q & A session. We also have wargaming and militaria displays and more trade and club stands than ever before. We have our superb competition, so do visit our web site for full details (www.londonplasticmodellingshow.co.uk). Club stands are free and trade tables are only £60. There is FREE parking on the surrounding roads on a Sunday. If you are going to the IPMS Nationals at Telford next month do come and visit our Guideline Publications stand. David will be available on Saturday to answer any questions and I will be there both days so do come over and talk to us and let us know what you would like to see on your Facebook page and in your magazine. We will have some great offers and our latest books. We'll also be printing the December issue early, so pick up a copy hot from the press. Thank you for supporting Military Modelcraft International, do keep sharing our Facebook page with your friends and do remember to LIKE our page.

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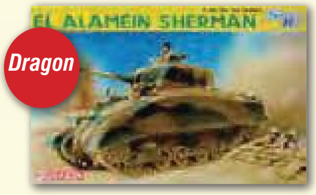
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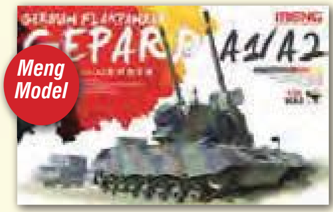
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